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FLORISTS' REVIEW

G. L. GRANT, Editor and Manager (late Editor and Manager of the American Florist), 530-535 Caxton Building, Chicago.

Vol. 1. CHICAGO AND NEW YORK, DECEMBER 2, 1897. No. 1.

Announcement

For twelve years I was Editor and Manager of the American Florist. Under my management that paper became a very popular publication with the trade, in spite of certain disadvantages with which I had to contend.

Conditions became more unfavorable with the passing years. My only recourse was to start a new paper on a clean foundation. Here it is.

AN UNPARALLELED SUBSCRIPTION OFFER.

Every one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

Why do I make such an unparalleled offer? It is very simple.

You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

I shall control fully and absolutely every department of the paper, and no axes will be ground in its columns, either directly or indirectly. Its pages will be always open to honest criticism, no matter whose toes may be pinched.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let me hear from you by early mail.

Yours for Co-operation and Mutual Benefit,

G. L. Grant

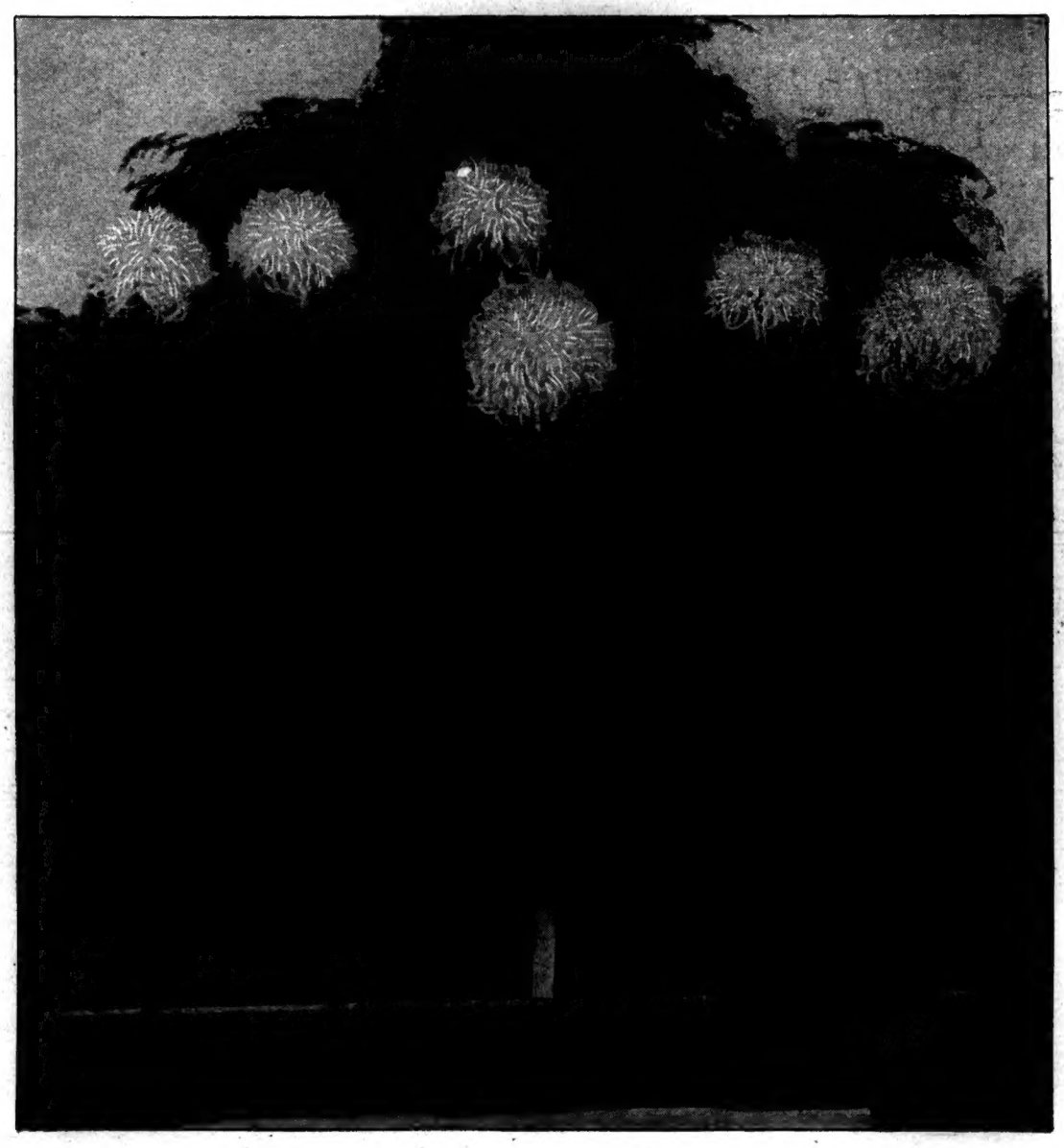
Chicago, Dec. 2, 1897.

CHRYSANTHEMUMS

CHRYSANTHEMUM NOTES.

Do chrysanthemums pay? Many a man is just now figuring up his returns and on his face is a look of anxious thought. Competent judges declare that never before in the history of the New York market did good flowers wholesale at so low a figure; 10 to 12 cents was a good average price; deduct from this commission and expressage then ask again: Do chryanthemums pay? Ask me something else. Of course the retail florist with his local trade has a better chance of getting a higher figure. He knows what his average consumption is and grows to meet his demand and nearly always one or two weddings just about that time will clean off his surplus. Chrysanthemums will pay him all right and he knows it. But the wholesale grower will tell you the business is yellow, yellow as a nondescript cur and not a tinge of the Klondike article about it, and on every hand one hears the same remark: "Next year we shall considerably reduce our number of plants."

Every little while we hear that the people are getting tired of the big flowers and that more money could be made by not disbudding, but growing long sprays of flowers. This season has shown that it was not the big flower but the big price that the public kicked at. Graceful sprays with a dozen flowers on a stem may appeal to the æsthetic soul but they never touched his pocketbook for they did not pay the expressage. The glut of medium to small flowers that have filled the market all through the season ruled prices and made any reasonable return utterly impossible. Some one has said this is an age of mediocrity. Is it going to apply to the florists' trade also?



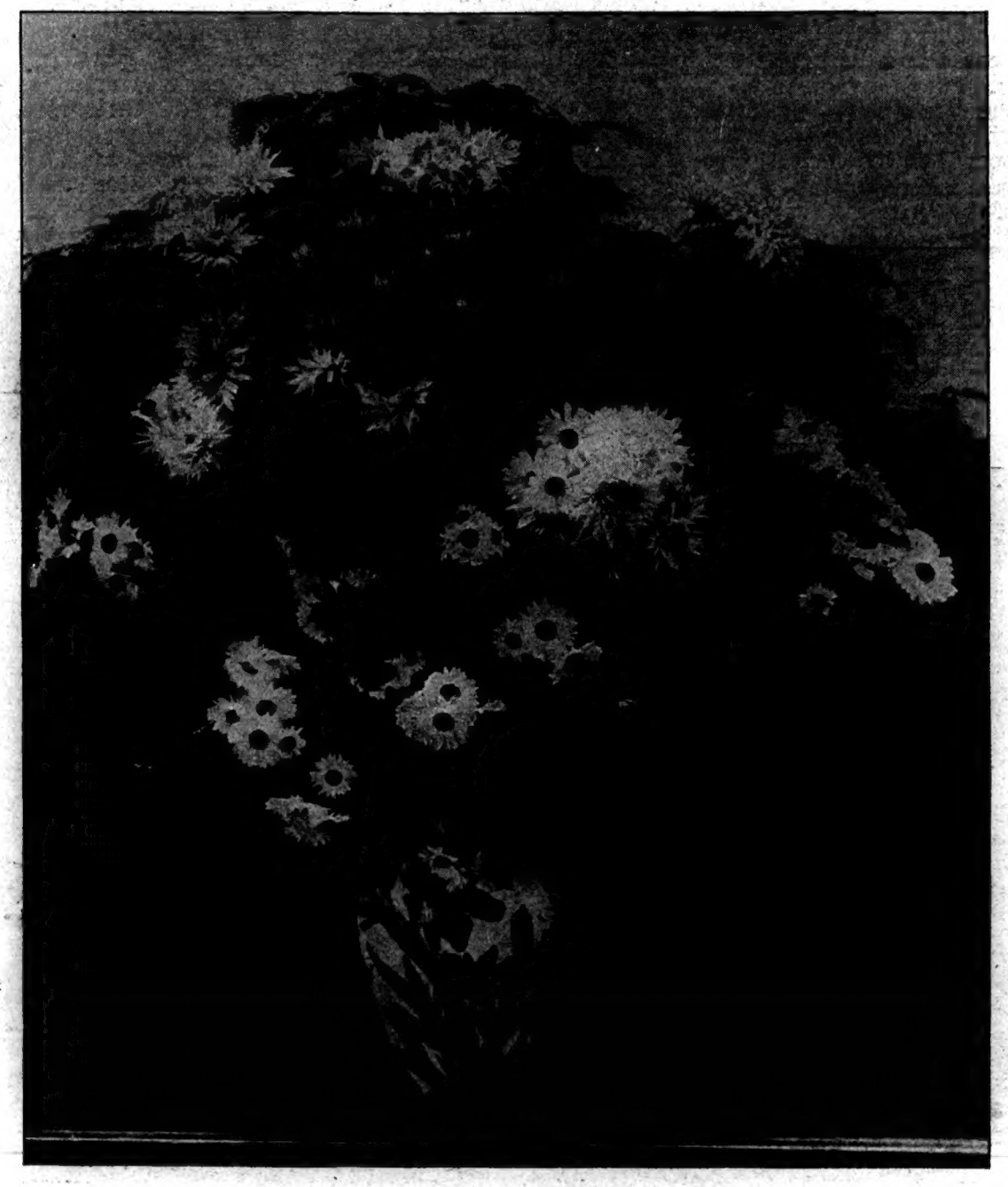
Growing Chrysanthemums in Boxes.

The lesson we should take to heart from the experiences of this year is, first and foremost economy in production. The illustration will give the reader an idea of a cheap and easy method of raising good flowers with a minimum of labor. The box is 4 feet long, 10 inches wide and 5 inches deep, made of common hemlock boards, taking for each box 18 feet of lumber 5x1. This can be bought sawn into the proper lengths and with cost of nailing together will only average about 20 cents. If the boxes are stored away in a dry place after they are done with and given any reasonable amount of care, they are good for three or four seasons without any patching up to speak of. The advantages of such a box are that it is easy to handle, does not require any more attention as to watering than a bench would, can be moved at any time to any place desired and will accommodate five plants of any variety and six of close growing kinds like Philadelphia or Helen Bloodgood. Each plant can be stopped so as to grow two good flowers and if size is not a desideratum three could be taken just as well as not.

Stock Plants.

The florist is hampered for room as a rule. Everything is clamoring for space and in consequence too often his stock plants are thrown under the benches to grow if they will. If they don't, "well, young plants are cheap in the spring," and the business rushes on. The best way is to strike the strongest suckers you can find right away. Just a few of each kind and as soon as they are in fit condition plant out in a bench in a cool house. Stopped once or twice they will give an abundance of healthy cuttings in the new year that will be much more vigorous and which will root more quickly than any that can be got from old stools at that time.

Why, oh why is it brother florists, that the average "mum" cutting one buys or sees in January and February is such a miserable, insignificant looking little object? Get good healthy cuttings above everything, even though you don't get quite so many. If the "mum" were not the hardy, naturally vigorous plant it is, the record of failures in successful culture would be enormous. As it is, rust, blight and other diseases are increasing,



Vase of Naturally Grown Chrysanthemums.

and largely due, I am convinced, to the unnatural treatment the plants receive during the winter. Some growers place their old stools out in cold frames, cover them up and leave them for the winter, and this practice is perhaps more to be commended than leaving them under the benches to have the life drawn out of them, but unless the winter is mild only the stronger kinds start away good in the spring and lots of varieties may need to be renewed.

Next week I will give a list of varieties that we have found most useful on account of shipping, keeping, and other qualities.

New Jersey. CHARLES TOTTY.

VASE OF CHRYSANTHEMUMS.

Our illustration represents a vase of chrysanthemums "grown naturally," and include the varieties, Daisy, semi-double white; Silver Cloud, blush white; Defender, dark crimson; the old fashioned Elaine, white; W. H. Lincoln, yellow. These should find a ready market, but alas! beauty and æsthetics are not always a marketable product, though what could be handsomer for decorative purposes! We know a grower who shipped fifty handsome sprays like these to a wholesaler, but his returns were only 50 cents, and he says he will attempt no more the education of an exacting public who want only what is "fine and large" and colors that are equal to one-hundred candle power.

The wholesaler, however, is no friend of the chrysanthemum, and dreads the day of its first appearance, and his heart is made glad by its exit. But you may break up the vase and do what you will, the large chrysanthemum will stay with us still. H. A. B.

THE STATUS OF THE CHRYSANTHEMUM!

The wonderful strides made in the improvement of the flower in the past five years or so, both in the high culture given it and also in the perfection of new varieties, causes the question to be asked anxiously each recurring autumn: "Have we reached the limit in size, color, form and general perfection?" The answer, we think, is still in the negative, for much remains to be accomplished before we have reached the ne-plus-ultra in the three principal colors.

Our method of staging chrysanthemums with long stems and foliage, shuts out from the exhibition table a large percentage of all foreign varieties introduced, as well as ninety-nine per cent of American seedlings which are fine in many particulars but lacking these two essentials. A very few years ago, we were not so hard to please but now, *texture, a hard stem, width of bloom*, combined with *depth* and *fullness, foliage* up to the flower, not to speak of *color*, all of these are requisites in all new applicants for favor.

The qualifications for the successful entry of varieties in classes for exhibition demand the same characteristics that have placed the most popular standard commercial varieties where they are today, and in addition the exhibition sorts must of necessity have *size* also.

The tests applied to a new variety are very severe, and it must pass them with a good percentage before it can enter the social circle of its tried and older friends of the true aristocracy of the chrysanthemum family. All this tends to the improvement of the family and the new variety which has run the gauntlet of the committees may, ten chances to one, be depended upon as a real acquisition.

The Exhibitions.

An inquiry into the success of the fall shows of 1897 would be very interesting to the trade at large, and even more instructive than entertaining. A review of the various large exhibitions shows an almost unanimous report of a higher quality than ever of cut blooms, an average quality of specimen plants, fine exhibits of roses, carnations, violets, orchids, palms, ferns, table decorations and designs; and yet with the notable exception of Chicago, the general report is a smaller attendance and "*not* a success b*nancially*," followed almost invariably *fly* the statement that the show had been well advertised, the decorations and music were fine, and nearly all the shows enjoyed fair weather on a majority of the days.

Where lies the trouble? Are the people growing tired of flower shows? Is the admission fee too high? Do they want more variety, and if so, how in the name of Flora can it be given them? Must it be under the patronage of the "Ladies of the 400," or is it works of art that the public crave as a surrounding for the flowers? We confess that we can't answer what the public wants.

We observe that *high* admission fees, as at the Astoria, do not bring out crowds of the exclusives, nor does the twenty-five cent fee attract great crowds elsewhere. We do not think that lack of variety can be alleged against many of the exhibitions for they are no longer chrysanthemum shows, but are true flower shows instead.

We do not claim that our shows have reached perfection, by any means, for every year we see room for improvement; our vases are not always in keeping with the treasures that they hold either in color or in form; very much can be done in the way of providing effective backgrounds; and we sin oftenest in setting our vases on tables so high that the visitor must look up to the underside of fine blooms, when he longs to look down

upon them and be satisfied. But it would seem that these must be minor points. Neither can it be urged that "once seen, always the same;" we have never heard of the "public" tiring of the cherry trees and the apple boughs, though they exhibit the same bloom, in the same setting, every May; they rave over the scarlet and gold of the maples each succeeding October; has the "admission fee," anything to do with the "success" of nature's exhibitions?

Over in England the National Chrysanthemum Society has just given its 51st exhibition; judging by the printed reports it has eclipsed all former efforts and we suppose that it has been a "success" as nothing has been said to the contrary; neither is anything said in any of the various reports as to the attendance, the admission fee, the advertising, the decorations, or any of the other features so absolutely necessary to an American chrysanthemum show; and year after year the British public has turned out and enjoyed with perennial enthusiasm the "12's" and "24's" and "48's" of Chinese, or Japanese arranged flat on boards without sign of stem or foliage; year after year they fight anew the battle of the "true-incurved" and its spurious half-brother; although they were shown last year a beautiful example of the American style of arranging long stems in vases, with which, we judge, they were mightily pleased, by no means do we find them throwing their boards to the woodpile in 1897.

It would seem that English flower-lovers are not chasing novelty and variety in *their* shows. We wish that Mr. C. Harman Payne, or one of the large exhibitors, could give us a little insight into the *modus operandi* of the "success" of the English shows; we would also like to hear from the spokesman of the "Big 4" of Chicago: Chadwick, Egan, Rudd, and Anthony, who certainly are to be heartily congratulated on their recent achievement.

One thing is certain, the florists must not tire of their efforts to make the fall shows a success. We must all make the matter a study and we shall finally solve the problem. We cannot allow it to go unsolved without loss to the trade and a distinct loss to the public as well. Many people who are not yet true lovers of flowers for the flower's sake, are still buyers of flowers for fashion's sake, and will continue to decorate their rooms and dress their tables just as long as they are the style, and there is nothing like the flower show to bring the best and newest to the notice of the people, so that our problem resolves itself into the simple question of how shall we get the people generally to attend our floral festivals?

E. G. Hill.



Arrangement of Plants.

The two "stars" of the past chrysanthemum season were the new white, Frank Hardy, and the new yellow, Pennsylvania. Both scored very high with the committees of the Chrysanthemum Society of America and will undoubtedly take a high place in the list of the really useful commercial varieties.

NOVEL PLANT ARRANGEMENT.

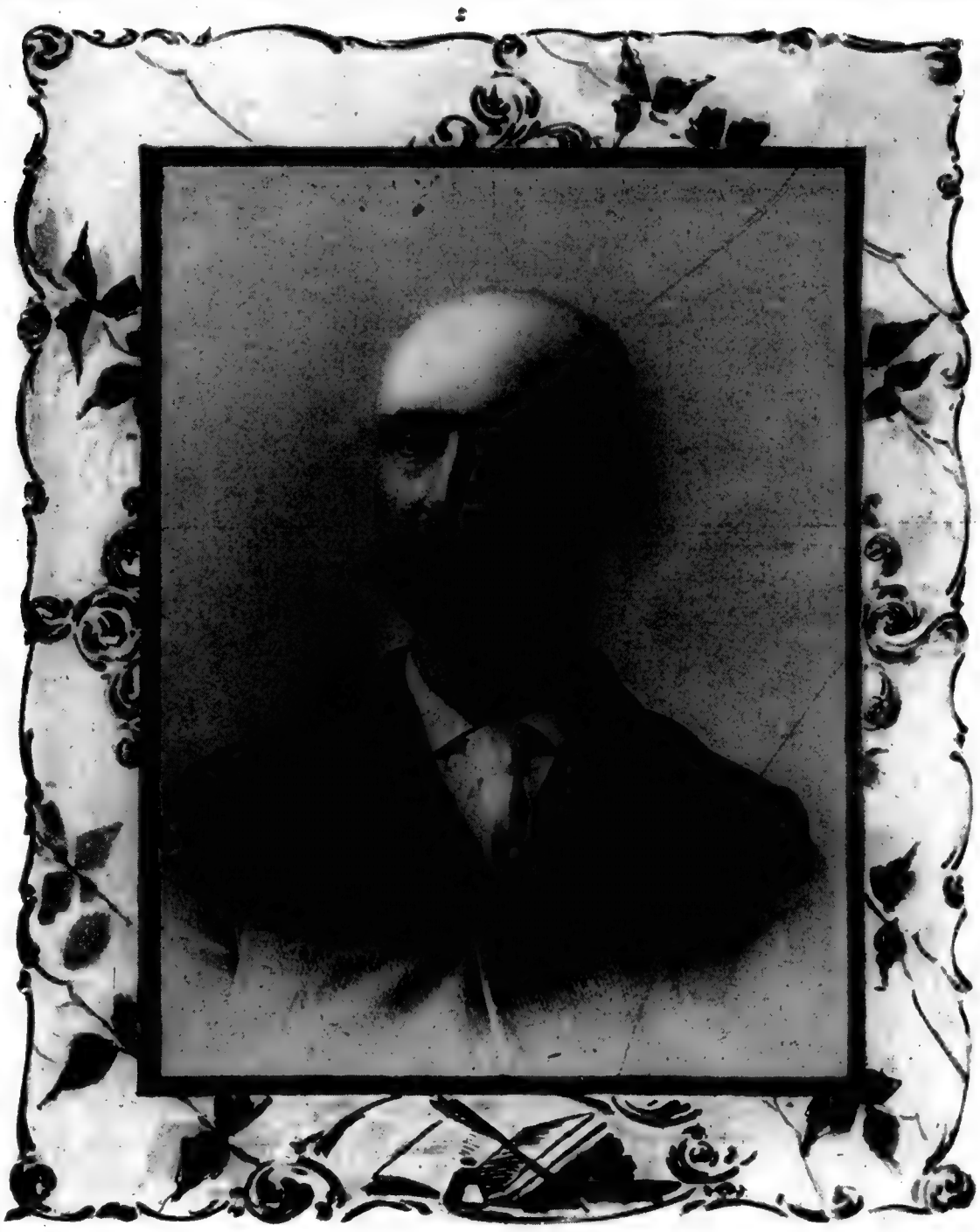
Our illustration represents a very exquisite creation by the well-known Fifth avenue florist, Mr. George Stumpp, New York, and is gotten up specially for the Thanksgiving and Christmas trade.

It comprises a handsome basket (of any design, lined with tin), somewhat deeper than the ordinary flower basket, filled with plants (in or out of pot), standing on a bamboo or gilt pedestal entwined either with smilax or asparagus.

The cost of producing such a basket depends entirely on the material used, and it can be filled either with cheap or expensive plants, though the more variety the better, so long as colors are harmonious.

The plants used, as seen in the example, are: Center-piece, Pandanus Veitchii (6-inch pot), Areca lutescens (5-inch pot), Cocos Weddelliana (4-inch pot), while the balance are well selected and pretty green and foliage plants, and include 3-inch ferns, Maranta bicolor, Tradescantia Reginæ, Ophiopogon jaburum, Peperomia argroneura, and the dainty variegated grass Poa Chinensis variegata; the trailing plant seen is Veronica radicans variegata, and here and there among the plants and on the handle of the basket are placed small branches of the red "bird-berry," a variety of cratægus indigenous to New York State, the whole surmounted by a bow of white ribbon; at Christmas a crimson one adds richness and warmth to the whole. As mentioned before, if a pedestal is used smilax or asparagus has a delicate effect.

No two baskets need be made alike, and "variety is the spice," as in all of this work. The following plants may be used to good purpose: "Colored" dra-



William Scott.

cænas, all palms and ferns, including Adiantum Farleyense, Cyperus alternifolius (green and variegated), crotons, and many other pretty plants, also different varieties of berried sprays. H. A. B.

WILLIAM SCOTT.

We present herewith an excellent portrait of Mr. William Scott, of Buffalo, N. Y., who is undoubtedly the most popular writer on matters connected with the trade, and who, we are pleased to be able to say, will in future confine his correspondence to the FLORISTS' REVIEW. Mr. Scott's versatility has been a constant source of amazement to the writer of these lines, who early noted his ability and encouraged him to write more and more freely for the trade press. No question referred to him seems to have been too complicated for him to answer, and many times matters outside of a strictly trade character have been treated as ably as they would have been by a specialist and in a far more practical and entertaining manner.

Mr. Scott carries on a general florists' business in Buffalo. He has a down town store and has an acre of land in almost the geographical center of the city and 30,000 feet of glass. Also 12 acres of land in the village of Corfu, near Buffalo, with 18,000 feet of glass. The latter establishment is devoted almost entirely to the production of cut flowers. His business covers all the various divisions of the trade and this accounts for his familiarity with such a wide range of subjects. This being supplemented by a wonderfully retentive memory aud a peculiarly happy, clear and graceful style of composition, has made him the most valued contributor to the trade press. But his popularity does not rest solely upon his writings. He believes in visiting his fellow craftsmen and has traveled extensively. He is good fellowship personified and to meet him is to feel he is your friend, if you are worthy of such friendship. We question if anyone in the trade is now more generally known or more universally esteemed than William Scott, and his able administration of the office of President of the Society of American Florists is fresh in the memories of all.

Mr. Scott was born July 31, 1844, at Leigh Park, Hampshire, England, the country home of Sir George Thomas Staunton, one of the finest gardens in Europe, where his father was head-gardener for 27 years. He attended a private school in the neighboring town of Havant till he was 13 years of age at which time the schoolmaster became insane, but Mr. Scott says this was not his fault. He began work in the garden shortly after this and the first job of gardening he can remember doing for wages was weeding chrysanthemums that had been cut down after flowering and were standing in pots under the shelter of a hedge. At 15 years of age he had the care of a conservatory that had to be so scrupulously clean and neat that the petal of a camellia must not be seen on the snow white paths or the trim kept border. Among the plants in this old-fashioned house (which he says he has since often dreamed he was neglecting) was a Phormium tenax some six feet across, oranges of various species or varieties that yielded bushels of fruit, an Acacia pubescens that went to the roof, and a grand specimen of Araucaria excelsa ten feet high and perfect in form, and still, such is the mildness of the climate of the south coast of England, more than one winter passed without the fires being lighted to heat this house.

In this beautiful garden were not only the rarest exotic plants, including for those days a grand collection of orchids, almost all the economic plants, and exotic fruits, grown to perfection, but the highest type of landscape art was exemplified. The beauty of the place attracted many visitors and. Mr. Scott was privileged to see many of the illustrious men and women of Europe who came there to enjoy that beauty. The old baronet cared nothing for fox hunting, shooting or any other sport that enters into the life of a rural landlord in England. He liked to have as his guests the brightest lights of England, to talk botany to Sir Joseph Hooker, and to be known as the greatest authority in Western Europe on China and the Chinese language. He had spent many years of his earlier life as an attache of the British embassy in the land of the "almond eyes."

When the subject of this sketch was 17 years of age his father removed to Chichester, where he rented the Northgate Nurseries. Mr. Scott worked in the nursery, greenhouses and seed store of his father till the spring of 1868, except for two years during which he was employed in the seed store of Mr. W. H. Rogers, of Southampton, famous as a most estimable man and as a good grower of rhododendrons. In the spring of 1868 a spirit of adventure came over the young man, his brother, and his friend Mr. E. I. Mepsted Australia was the objective point, but was too far away. Then Port Natal was mentioned, but still too far away to please the loving parents. Canada was settled upon as a compromise, but the good father said: "Boys, the United States is the place for you, and I have many friends there." James Fleming, then in partner-

ship with Peter Henderson, was one of the old Leigh Park men. Mr. Buist, of Philadelphia, and Mr. Brackenridge, of Baltimore, were old associates of the elder Scott in Edinburgh. Mr. David Ferguson, of Philadelphia, was another Leigh Park man, and there were others in the United States.

The watering pot was thrown down one Saturday night in March, with the expectation that it was never to be handled again and the trio were off for the backwoods of Canada to trap and hunt and get in close communion with the redmen of the primeval forest. A look at the forest, about three miles up Yonge street, Toronto, was enough for the party, and through the kindness of Mr. George Leslie, the well-known nurseryman, the party was quickly back at the old trade. The following winter Mr. Scott was in the employ of Mr. James Pape, who grew plants for the Toronto market. The summer of 1869 they tried market gardening and the seed business in Stratford, Ont. There were too many in the firm, as was evidenced during the dull months when the gross receipts of the day amounted to not over $1.25. So they paid their London seed bills, and all other bills, and through his old friend Mr. George Vair, Mr. Scott engaged with Mr. George Bailey, of Buffalo, who was then one of Buffalo's most prosperous manufacturers and was building a fine place. Mr. Scott was "imported" to work for him in 1870. He crossed the Niagara River under conditions that would now be a direct violation of the contract labor law. But in this case low price was not the motive for importing "a foreigner," for he received good wages. The first two years, and especially the second year, he *saved* $50 a month and kept a wife and prospective family.

In 1876, through the declining business of his employer he was almost compelled to rent the houses, quite a little commercial growing having been done the preceding two years. In August, 1876, an agreement was made by which, for the use of 3,700 feet of glass for eleven months, Mr. Scott bound himself to pay $1,000. This included the use of the stock, but that consisted mainly of bedding plants from which he could get cuttings for another year. The only thing to return any money that winter was a few thousand good carnation plants. As he had invested his previous hard earnings in a small farm which he found out too late passed considerable periods under four feet of water, he started without $10 working capital. It was hard scratching when the second installment of the rent ($250) came due in February, but when the last payment of $500 was made June 1, he had cash in abundance. The place not being sold he rented it again for another year at $600, at the end of which time he secured the property on Balcom street, where he now lives, and built two houses, each 20x100. He rented the Bailey place for the third year and at the end of that time gave it up. Since then several young men have tried to run the old place at a rental of $300 a year, but always at a loss.

Mr. Scott speaks modestly of his present establishment as but a moderate sized place compared to those of many younger in the business, and while this may be true to a certain extent his place ranks with the large ones and nowhere are plants and flowers better grown. Quality is sought rather than quantity, and the former is found to pay better than the latter, though Mr. Scott comes pretty near getting both.

A beautiful note in Mr. Scott's character is his sincere affection for his excellent wife. In referring to his early struggles in business he freely accords her the credit for his success, and says that without the help of his most true and loving helpmate he never could have accomplished what he has.

Mr. Scott has always believed in employing plenty of help of good quality and paying good wages. He hates to see an intelligent young florist put down on a level with an hostler. No tattered and torn urchins are ever seen on his place. He cares not as to the nationality or religious faith of his workmen, but insists on intelligence, integrity and industry. In speaking of himself Mr. Scott has said: "I do not wish to be judged by what I am worth, but by what I have earned and done."

What Mr. Scott has done for his fellow craftsmen through his contributions to the trade press is well known to the readers of this, and all will be pleased to know that his pen is to contribute regularly and freely to these columns, but we have a still more pleasant announcement to make. Mr. Scott is now at work on a book which will prove an inestimable boon to the trade. It is to be entitled the "Florists' Manual" and will cover the whole field of commercial floriculture, the subjects arranged in alphabetical order, encyclopædia style, so that the cultural details regarding any plant may be quickly looked up as desired. It will cover construction, heating, labor saving devices, peculiarities of varieties, and everything connected with the trade about which a florist may occasionally wish to refresh his memory, the retailer as well as the grower. This book will be published by the publishers of the Florists' Review at a moderate price and a very large circulation of the book is assured. This will undoubtedly be Mr. Scott's crowning work and he is devoting the greatest care to the preparation of the various articles, which will be as full and complete as possible though still terse and condensed. The art of telling a great deal in a few words is possessed by Mr. Scott to a remarkable degree and he is peculiarly fitted to write exactly the sort of matter for which there is a need. We know the appearance of the volume will be looked for with the greatest interest.

ORCHIDS

CATTLEYAS AND THEIR CULTURE.

There is not in the cornucopia of the floral goddess a flower that has more admirers at the present time than the cattleya. What flower could draw forth more genuine admiration than the beautiful specimen herewith reproduced (page 8) with its ninety exquisite blooms all fully expanded at one time? Such gems, I presume to assert, can never be looked upon with scorn—except by the utterly perverted, nor can they be offered to the spoiled child of fortune without an implied compliment. Every year has advanced their popularity and enhanced their beauty in the shape of some stranger of garden or natural origin that has forced itself upon us by the marvelous beauty of its markings or size of flower. Considering how easily and inexpensively a large number of them can be successfully handled it is surprising to me that they have not received more general attention from the growers, for there is no doubt that the cattleya is the flower of the future where chasteness, fragrance and richness of effect are desired.

The different methods of mounting specimens shown here in the illustration are all very simple and inexpensive and if carefully carried out are sure to give satisfactory results, thereby commending themselves to the growers in general. Figs. 1, 2, 3, 4 and 6 in the illustration are methods preferable to pot culture, because you can water, feed heavier, and dry out quicker than is the case with pots, and you can understand the condition of your plants at a glance; inexperienced labor is not so liable to err and one man can handle by this system three times the number of plants that he could were they in pots. Lager and Hurrell of Summit, N. J., are the pioneers in the long board system (Fig. 4), a system that is highly commendable.

Fig. 1 shows plants mounted upon a fern stem, the plants fixed thereon by means of long wire staples clenched on the other side. I prefer these stems to anything else for growing cattleyas upon because you can deluge them with water



Cattleyas Mounted in Various Ways.

with no fear of injury as they dry out very quickly.

Fig. 2 shows the ordinary orchid basket which is to my mind the next best method of growing. I use the fern stems here also. I put as much as I can into the basket, then fix the specimen upon the top with wire staples; in all cases a small wad of peat is used between the staple and the plant to insure against the acidity of the staple.

Figs. 3, 4 and 6 you will perceive are boards. We adhere to no particular kind of wood as we find that the cattleya will take to anything if it is clean. In mounting the plants here we use short staples and wire nails. We place a thin cushion of fibrous peat upon the board and spread the plants well out, nailing them firmly down with the staples.

Fig. 5 is the most familiar way of growing cattleyas and is very desirable in a great many cases. They are easy to handle and serviceable for house or decorative purposes, in fact they are indispensable in a private garden.

I again recommend the fern stems instead of the orthodox compo of pot shreds, peat and chopped sphagnum. Pot in the ordinary way with pieces of fern stems, top-dress with sphagnum as the season advances. In regard to stimulants, it is an understood fact that the climate of this country is very exhaustive both to animal and plant life, therefore to maintain the longevity of your plants you must feed well. By considerable experience I have come to the conclusion that you may use any mild stimulant directly to the root of the cattleya with beneficial results. Some experienced growers use various salts, such as nitrate of soda, potash, sulphate of ammonia, etc., but in the hands of the inexperienced they are dangerous except for atmospheric treatment. Cattleyas handled right, on the cool and airy system, under very thin shade, coupled with the above remarks, ought to produce flowers of great substance, color and size.

Cattleyas when growing require a genial moist atmosphere, with a temperature as near 60° as you can keep it. When resting you will preserve the vitality of the plants by maintaining a drier atmosphere, with just sufficient water at the root to keep the psuedo-bulbs from shriveling, a temperature from 45° to 50° with plenty of air and light when permissible, and if your plants have been grown under thin shade, as advised, you may now expose your labiatas to the full benefit of the winter sun, which will insure a strong lead in March, with positive flower.

Varieties most desirable for commercial work are: Labiata, Trianæ, Mossiæ, and Gigas, which will give a succession of flowers from October to June.

J. ROBERTSON,

Madison, N. J.

(To be continued.)

NOTES ON PARK PLANTING.

Tree, shrubs and grass largely form the scenery of nature, and their harmonious arrangement constitutes the charm of a pleasing landscape; the study then of where to plant, how to plant and what to plant, is an important one with reference to the planting of public parks.

Generally speaking a park should have a broad belt of trees and shrubbery on its borders, an exception to this rule being when a desirable view can, by the omission, be obtained beyond the limits of the park, and this should not be done to the detriment of any view or effects within the park, unless the view obtained is of surpassing beauty or interest and is not likely to be shut out by buildings or other disturbing features introduced into the foreground by the growth of population. The object of the bordering belt of woods is to shut out urban life, and to provide masses of foliage as a rest for the eye across the interior vistas. The importance, then, of planting as soon as practicable this screen and background is apparent; its absence makes difficult the creation of good landscapic effects within the park.

It may be laid down as an axiom in park development, that to prepare for planting should be the first aim of the landscape gardener, that no work of any kind should be done in preference to that which can be done in the furtherance of this object; roads, walks and buildings are only secondary in importance in the initial steps of park construction, and should only have such attention as may be necessary to further the preparation of the ground for planting.

The outlines of the bordering timber belt should conform to the natural expression of the topography of the ground, or be varied to form recesses and projections along the foliage line, every point or bay being studied with reference to



Specimen Cattleya Labiata.

harmony with other conditions existing.

The planting of the interior should not be attempted until a comprehensive study of the ground has been made from all points; cast iron rules can not be framed here for guidance; perhaps the configuration of the ground will permit of the development of a more or less large open space surrounded by rising ground, than which nothing is more simple in its dignity and expression. Assist nature in the direction indicated by clearing away from the open any scattering trees or shrubbery, unless the trees are perchance of noble proportions and not too frequent to destroy the effect of distance; plant then the rising ground to form a background—a setting for the picture—reaching out to within the borders of the meadow at places, forming bays and bends for the play of lights and shadows, and apparently lengthened vistas, or misty distances.

Old existing woods which have grown without intelligent care can be improved in outline, naked boles can be hidden, and the foliage line brought to the ground by the judicious planting of their borders, for which purpose nothing can excel cornels, viburnums, amelanchiers, the Judas tree and sumacs.

To correct a bad line or to blend the natural wood into the general scheme it may be necessary to plant timber trees, adding them to the old forest; the effect of this is bad while the trees are small, and is to be avoided if the intended effect can be attained by cutting out a part of the forest.

The water side can be treated effectively by planting heavily bold points or bluffy shores, allowing the meadow to approach the water at low bays or indentations in the shore line, the general effect, however, should be that of enclosure.

Roads and walks should never intrude into or cross large open spaces designed for foreground or vista effects, and they are happily planted when, as they skirt meadow or plantation, openings are occasionally left on either hand for glimpses into the recesses of the woods or over the broad open ground; walks and shade should go hand in hand, and only be divorced under extreme exigency.

The preparation of ground for planting is a matter of the first importance. If it lacks in depth of good loam the omission should be generously supplied; without good soil vigorous tree growth cannot be obtained, and large expenditures for procuring it is money well invested and in the line of strict economy in park administration.

Unsatisfactory also are results if holes are simply dug into the hard packed ground, or if the surface is merely skimmed by the plow, and the trees thrust in, and left to fight as best they may with a growth of grass or weeds; give to young tree plantations the same culture a good farmer would give were the trees hills of corn; plow and subsoil at least twice during the previous fall months, and reduce the ground to a fine mellow condition.

When planting for groves or masses, plant thickly; the intended permanent trees may be planted from thirty to fifty feet apart, according to expected development, and the space between filled with other trees ten to twelve feet apart to serve as protection, from which selections can be made from time to time (as growth proceeds and overcrowding threatens) for planting elsewhere. Close planting is conducive to rapid growth from the protection each affords the other; the plantation also serves as a nursery, the profit of which will amply pay for constant never tiring culture, the only note of

warning required being to thin quickly before damage is done. Close planting may be advocated even for small groupings, the protection and tilth being of great benefit to the intended permanent trees, beside the effect of mass is the sooner attained.

Much time and money has been wasted, and much disappointment incurred, by planting trees and shrubs in ground without adequate preparation, and with little subsequent care; how often in a hard baked soil holes are dug scarcely large enough to hold the roots, the trees are jammed in and left to their fate; their bark, tender from the shade of close nursery rows, exposed to the hot suns of summer and the freezing and thawing of winter, soon succumbs, and the trees at best linger out a short existence of stunted growth.

Good soil, deep plowing and constant cultivation are the essential conditions required for success in young tree plantations. Cultivation should be continued for at least two years after planting, or until the branches shade the ground, when grass may be sown or an undergrowth of suitable kind may be planted.

J. A. PETTIGREW.
Sup't of Parks, Boston, Mass.

CARNATIONS

CARNATION NOTES.

Carnations! Roses! But not to crowd too hard on the well merited fame of the Queen of flowers, I will say: Roses! Carnations! If the one claims royalty, the other is divine. Queen and Priestess; two powers that reign supreme. The Queen of Autumn may overshadow the two in her time but not wholly, her reign is short, she comes with a dash and vanishes as she appears. She needs a long rest, or better, say a ten months' retirement before she is able again to resume her power; and well may we grant it to her, for her short reign is rather an incentive to appreciate roses and carnations so much better again, than to cause a depression of the value of these two staple articles.

It is interesting to observe the turn the fall exhibitions take in their make-up, and this has been especially noticeable in the ones just closed. Of course the chrysanthemum is queen, but she has every year more to content herself with other celebrities, to divide the honors of the exhibitions with other flowers, and of these the two most prominent are again roses and carnations.

But to be specific, the time of our fall exhibitions is most disadvantageous to the carnation as a show flower. Although in the market every day in the year, the plants only housed a short time ago are not up to their standard to produce flowers of the same quality as a few weeks later. But still the carnation is there and demands her share of the honors.

This brings my mind to the often tried experiment of indoor summer culture. Well content that it is useless for me to try it again, I hear reports of success from other localities where the summer heat is not so intense, and where they enjoy cooler nights than in our section of the country. Where indoor culture through summer is feasible the grower can certainly produce better flowers for the fall exhibitions than otherwise; and if only for the sake of making a better showing such localities should feel encouraged in their efforts. Early successful planting of strong plants from the field is another advantage, and I believe such plantings will also insure better crops for midwinter than an all summer indoor culture.

We, like many others, were very unfortunate in this respect. The continued long drouth left our plants rather small and the extreme hot weather at the same time in the latter part of August and beginning of September, prevented an early transplanting. A disadvantage often proves to be a benefit in another way. The long drouth and hot, dry weather proved to be an excellent purifier of parasitic diseases, for in all my experience I never enjoyed more healthy plants than at present. Spot is totally absent, bacteriosis nearly so; I can only notice once in a while a few yellow spots, and these appeared since we have had more cloudy weather. Some new varieties that we received infested with rust showed very little when lifted, and we find it quite an easy job to keep the disease in check by picking the leaves wherever it shows its tell tale signs, and I feel still more convinced that this is the only remedy for a gradual eradication of this most tenacious but otherwise less harmful disease than others.

I have this season made an experiment in the preparation of my bench soil. I observed the same mode and care in preparing it, but made it only fairly rich. I used only about one-third of the fertilizers that I used before. My reason for doing so is this: I noticed that plants freshly transplanted in very rich soil moved on very slowly; it showed a plain case of overfeeding. The plants in their weakened condition are unable to assimilate or digest the abundance of food crowded on to them and besides take it up indiscriminately. The result is sick plants that very slowly overcome the check of transplanting, and when yet under the influence of hot weather a break down is certain.

The results of this experiment are very gratifying indeed. The first plants housed I could not take as a criterion, for they sweltered in the shaded house in a day temperature of over 100° and never below 80° at night, but they came through the ordeal exceedingly well. The most satisfactory results were shown later when the weather turned cooler, for then the plants fresh from the field moved on as though they never had been transplanted. In a week's time the white roots appeared on the surface clamoring for food and this was supplied them in the form of a mulch of well rotted manure partly mixed with soil, and now we are feeding with liquid manure regularly once a week. As soon as the balance between leaves and roots, disturbed by the lifting, is evened up again, the plant can stand liberal feeding, and the sooner this condition is brought about, the more time is gained; the plant is ready for work and with judicious feeding more can be accomplished than with crowding the fertilizers in the soil in the first place. Water is given whenever it is required, and when we overdo this, bad results will follow; why not give the food in the same way?

At this time at our place the last cleaning of weeds and decayed leaves is finished, the plants are mulched, the supports are in place, and we only have to follow up such routine work as ventilating, watering, feeding, disbudding, fumigating, and the cutting of the flowers. Of these I will write in my next.

FRED DORNER.

CANNAS AT RIVERTON, N. J.

The early part of the season was unfavorable to the development of this beautiful class of plants, heavy cold rains being the rule and it was comparatively late in the season before they made any progress; however after midsummer and along until October the show was superb, the different varieties being planted in long 400-foot rows across the field, presenting a bewildering maze of color.

The old favorites, Madame Crozy, Alphonse Bouvier, Florence Vaughan and Queen Charlotte, still hold their own against all new comers, in their respective types, but new varieties of merit are always welcome, keeping up the charm of novelty, making a pleasant contrast to the older varieties and affording a certain pleasurable excitement in watching their development. Amongst the latter are several which are well worthy of a place in every collection, having been tested for two seasons with the most gratifying results.

A great acquisition is Mlle. Berat, a variety with bright carmine pink flowers, a very profuse bloomer, throwing its rich compact spikes at just the proper distance above the foliage, standing the hot sun with perfect impunity and filling a long felt want in this color, being the nearest approach to a good pink, making a desirable fifth to the standard varieties mentioned above.

Leon Pepin Lehalleur has a fine rounded flower of a carmine red color, good substance and is a very free bloomer.

Hortense Barbereau is a gem, flowers fine cherry red with trusses of immense size, rich heavy foliage, and very desirable for massing.

Baronne de Poilly is an excellent variety with flowers of a rich orange salmon which open out very full, and are beautifully rounded.

Vice-Pres. Luizet has flowers of a rich cherry red with carmine reflex, conspicuous by its peculiar color and wealth of bloom.

Some of the older varieties which showed up finely were Furst Bismarck, a bright fiery red; Franz Buchner, deep orange suffused with scarlet with broad gold band.

Paul Meylan, a vigorous grower with beautiful orange red flowers, which though smaller than Madame Crozy is very desirable on account of its unique color. Beaute Poitevine is still the ideal crimson bedder, perfect in every way.

Adjoining the field proper a strip was set apart for the purpose of testing new varieties as well as for comparison with the older sorts, all of which were planted in rows of six plants each, side by side. Over two hundred varieties were thus planted, the most notable new sorts being Furst Hohenlohe, which promises to be the ideal yellow bedder, short compact growth, immense bloomer, with pure yellow flowers with the exception of the lower petal, which is slightly marked with red, fine compact truss.

Goliath, a velvety dark crimson, deeper in color than Bouvier, with large flowers and spike.

Sam Trelease is the gem of the collection, a variety raised by Mr. James Gurney, Superintendent of Tower Grove Park, St. Louis. It has the habit of Madame Crozy, with a large rounded flower of a rich glowing scarlet or the nearest approach to that desirable color.

Secretaire Chabanne, orange with deeper shadings, good bloomer and large flower.

Depute Ravarin, deep garnet, and Madame Favrichon, bright vermilion.

A large collection of the new Italian cannas were also tested, the most prominent being America, with its beautiful striped flowers and handsome dark foliage.

Allemania, with huge scarlet and yellow flowers, often measuring over six inches in diameter.

H. Wendland, a beautiful scarlet with golden border. Africa, La France and Pluto are all beautiful, with magnificent dark foliage.

In the dark foliaged Crozy varieties the best are Egandale, currant red; Admiral Avellan, orange red; and F. Neuvesel, beautiful carmine; the latter is an old variety but one of the best and most effective. J. D.

MISCELLANEOUS SEASONABLE HINTS.

Chrysanthemums are largely gone, and flowering plants for Christmas will demand our thoughts for the next few weeks. For several weeks past the weather has been just the reverse of what is desired to make sturdy growths and brilliant flowers—dark, gloomy, and wet, and not cold enough to need strong firing. For almost all plants when the weather conditions are such, a good heat on the pipes and a little air is always the correct thing to do. To let a house be damp and close because it is not very cold outside is the poorest economy.

Azaleas.

Azaleas for Christmas should be showing color now. Deutsche Perle, the beautiful double white, is the easiest of all to get in by the holidays, but Vervæneana, the irregular growing fine pink, and Simon Mardner, red, come in all right. A good syringing on the under side of the foliage will help them along and certainly help to keep down thrip and red spider.

The Calla.

The calla (Richardia) is now considered by many as quite unprofitable, but if you do grow it, don't forget that it should always have a night temperature of not less than 60°, liberal pot room, and a light house.

Harrisii Lilies.

The Bermuda or Harrisii lilies are now in flower with us, and there should be no difficulty in keeping up a good succession of them from now on. I have noticed for several years past there has always been a good demand for them at the holidays, not so many ask for pot plants as the cut stems for decorating. With the later crop of these, particularly the Easter plants, I adopted the plan pursued by an eminent Philadelphia grower, viz., to pot the seven to nine bulbs first into 4-inch pots. When they have made a growth of three or four inches you can tell whether they are going to be healthy plants. Many of mine are now just in that condition and in a week or so will be shifted into 6 and 7-inch pots. You can also pick out three plants of the same size pot into a 9-inch, and be reasonably sure they will all three flower at the same time. There are certainly a few of your customers who will give you three dollars for a fine pot of lilies. This plan of handling the lilies twice may seem more labor than putting the dry bulb at once into its flowering pot, but it has many advantages to commend it. It must be a saving of soil, and what is of far more value, space. I have never been afflicted with more than ten per cent. of diseased Bermudas, but have learnt that it is of no earthly use to allow them to encumber the bench after they once show signs of disease. I don't think it is infectious from plant to plant, but the disease develops with the growth of the plants, and any lingering hope that you will perhaps get perfect flowers from a diseased plant is futile. Consign them to the dump pile without delay, and return with a smile to put something else in their place or to grow to perfection what is left.

Poinsettias.

The poinsettia has for a long time been a popular and assuredly profitable plant with us. Don't leave them without a stake and a tie until they have curvature of the spine. They want and deserve a support. You know, of course, they are a truly tropical plant and want a hot house, but perfect light, or they will grow spindling and to an unsightly length. They are now showing their brilliant scarlet bracts, some three or four inches long, and if they show signs of exhaustion by their bottom foliage turning yellow, don't make the big mistake of shifting them at this late day; that will only add to their distress. Water them twice a week with liquid manure, and if it comes from the cow-stable there is none better for these strong feeding plants. About a hop, step, and a jump from where I am writing there is a batch of about 200 poinsettias that ten weeks ago gave promise of being an extra fine lot; if they had been then shifted into 6-inch pots they would have been, but that operation was deferred to about a month ago with the consequence that now they are a wreck. I don't look at them; we never speak as we pass by. Right across the bench is a big batch struck two months later and shifted two months ago from a 3½ to 5-inch pot; they are fine in every respect with the deep green leaves that so finely set off the bracts. While speaking of leaves in this advanced age of floral taste and arrangement, what flower is there that is valued or appreciated without perfect foliage? I know of none; even the humble violet must have its embellishment of healthy leaves.

Cyclamens.

Cyclamens will soon be in their prime. They are often badly troubled with green fly. A mild fumigating does not hurt them, but a good preventive of the aphis is to raise each plant on an inverted pot, giving each plant a good circulation of air, and on the bench spread two or three inches of tobacco stems. If fly is once killed the stems scattered among the plants will keep them down for a long time. About 50° at night is cool enough to flower cyclamens well.

Fuchsias.

There are not many cuttings to put in just now, as most of the bedding plants can be increased so rapidly later on. But fuchsias, if you grow them largely, should be propagated as early as you can. When "struck" two months later the cuttings are so anxious to flower that they do not made good-sized plants.

Begonias.

If you grow that once highly-prized but now so common plant, the Begonia Rex, and its many varieties, you should now have them in the sand, as it will take them all their time to make useful sized plants by end of May, the time when they are useful for baskets and veranda boxes. Begonia metallica and other begonias nearly allied should be propagated without delay.

Cytisus Racemosus.

Cytisus racemosus, that once favorite plant, should also be started to get a good plant for Easter of '98.

Bulbs.

I have invested this fall in a few thousand French Von Sion. I was unacquainted with them, but was talked into them, and from the early start they are making in the beds outside it seems that



Cross of Eucharis Amazonica.

they will bear up their reputation and flower with good stem at Xmas. which the "talk" assured me they would do.

If Romans and Paper White pay at all, it is certainly at Christmas and round that time. I have often remarked how much superior both of these flowers are when forced slowly, particularly the latter.

For some years I have not seen much profit in trying to force tulips for the holidays. It is difficult to do unless you have just the place and conditions, and does not pay unless you are in the specialty to a large extent. If there is one tulip more than another that would pay to produce at Christmas and for two weeks after, it is "La Reine"; true enough a white tulip when allowed to come along slowly, but with certain treatment assumes the most lovely pink shades. It requires great heat till the flowers are pretty well developed, then can be removed to an ordinary bench where the temperature is that of a rose house, its flowers will then put on that exquisite stripe of pink. My experience is that at no time do tulips like their roots roasted. A box built over the pipes where violent heat will not strike the bottom of the flats, but where the temperature surrounding the growing tulips will be steadily at 85° will force up the growth. Keep the top of the box covered with boards or a cloth, like ducking, till the flower is well developed; allow three weeks to force them. Don't attempt to force a double tulip of any kind, or a Dutch hyacinth, for many weeks yet.

Pansies.

I will remind you that if you want pansies that will sell before your neighbors, it pays to cover them with glass, and if that is not convenient, a layer of hemlock boughs is a far better covering than litter from the stable.

Cannas.

I don't know where you have stored your canna roots, but I do know that it must be somewhere where no drip from a bench falls on them during the winter or you will lose a large proportion. A dry cellar is too dry. Under a rose or carnation bench is an admirable place, but have provision to keep the drip from them.

WM. SCOTT.

CROSS OF EUCHARIS AMAZONICA.

The accompanying engraving is from a photograph of a cross arranged by Mr. Samuel Murray, of the Probst Bros. Floral Company, Kansas City, Mo. Mr. Murray is very fond of the eucharis, and grows large quantities of the flowers. He finds them a very profitable addition to his stock of flowers and has kindly favored us on request with the following notes on his method of cultivating the eucharis:

"We grow them in our asparagus house on narrow benches over hot water pipes. Our present crop, which is about gone, was eighty-three spikes, and would have been more but from the fact that about a month ago during a heavy rain water leaked into the bed from the gutters, started part of them up, giving us fifty spikes. But for the past five years we have had no trouble to have a full crop in during our show, giving us good material for floral work. They are planted in good turfy loam and mulched with well decayed cow and sheep manure. After flowering we give them plenty of water by syringing, so as to keep them free of mealy bug until growth is made. Then we keep them at rest by withholding water.

"We get two crops a year from our bench. We used to grow them in pots, but find the bench system less troublesome and very satisfactory."

HARDY FLOWERS FOR FORCING.

Although flowers enter so largely into the every-day life of the public in all our large cities and towns, it is surprising what a limited range of choice is offered to those who daily purchase them. What wonder then if stagnation frequently occurs when surely the most ardent flower lover must at times experience a sense of nausea, or, if not as bad as this, a strong desire to change off from the never-ending monotony of certain staples in daily supply the year round. Roses and carnations we have always with us, and violets for three-fourths of the year. No wonder indeed the chrysanthemum usurps the throne of the Queen of Flowers and is esteemed so highly during its bright, brief season.

None will deny there is room for more variety among market flowers, but all hesitate to break away from the old, sharply drawn lines of trade. Some have found out to their loss what missionary work in the flower trade involves, although it sounds very nice to talk about educating the public taste to this, that, and the other. Still the path of progress knows no termination, and only down this path will come relief from the present-day congestion with staple market commodities. This does not arise from the paucity of available material but from our own exclusive choice therefrom.

Take, for example, the vast family of hardy flowers now under cultivation, averaging considerably over a thousand species, with varieties innumerable besides. Are they ignored because they are hardy? Numbers are certainly amenable to forcing treatment and would prove a welcome change to present day

stereotyped custom. I was delighted to see on the market and in some of the best flower stores in New York in the early months of this year, long handsome spikes of the good old-fashioned snapdragon (Antirrhinum majus) in pure white and yellow forms, and I believe they sold readily. In a similar way we might have an advance season of many flowers that bloom later in the open air.

Lily of the Valley is always procurable, but why should we not sometimes see its stately and fragrant relative, the Solomon's Seal (Polygonatum multiflorum)? Nothing could be easier to force, whilst the graceful beauty of its arching leafy stems, studded with blooms of exquisite sweetness, would certainly attract to it much admiration. The pæony in its outdoor season is irresistible with its gorgeous munificence of brilliant colors. It, too, responds to gentle forcing conditions, and the hybrid roses forced for spring would have a strong rival if one only took such a tree pæony as Reine Elizabeth in quantity and flowered it under glass two months ahead of its natural season.

Among many families of flowers that come in May and June normally, especially to be recommended for the purpose here advocated, are trollius, pyrethrums, megaseas, aquilegias, hemerocallis, anemone, and irises galore; these are all adapted to cutting, whilst the possibilities with pot plants, assuming there is a demand and a market for them, are infinitely greater. To be successful with these plants one must secure good strong stock, potting it up or planting into boxes, or even on the bench of the greenhouse itself, and, beginning in the early days of the year, gradually inure it to forcing conditions. With a home plot where the plants could have good culture one might grow and always have good forcing stocks of the several subjects.

A. Herrington.

Madison, N. J.



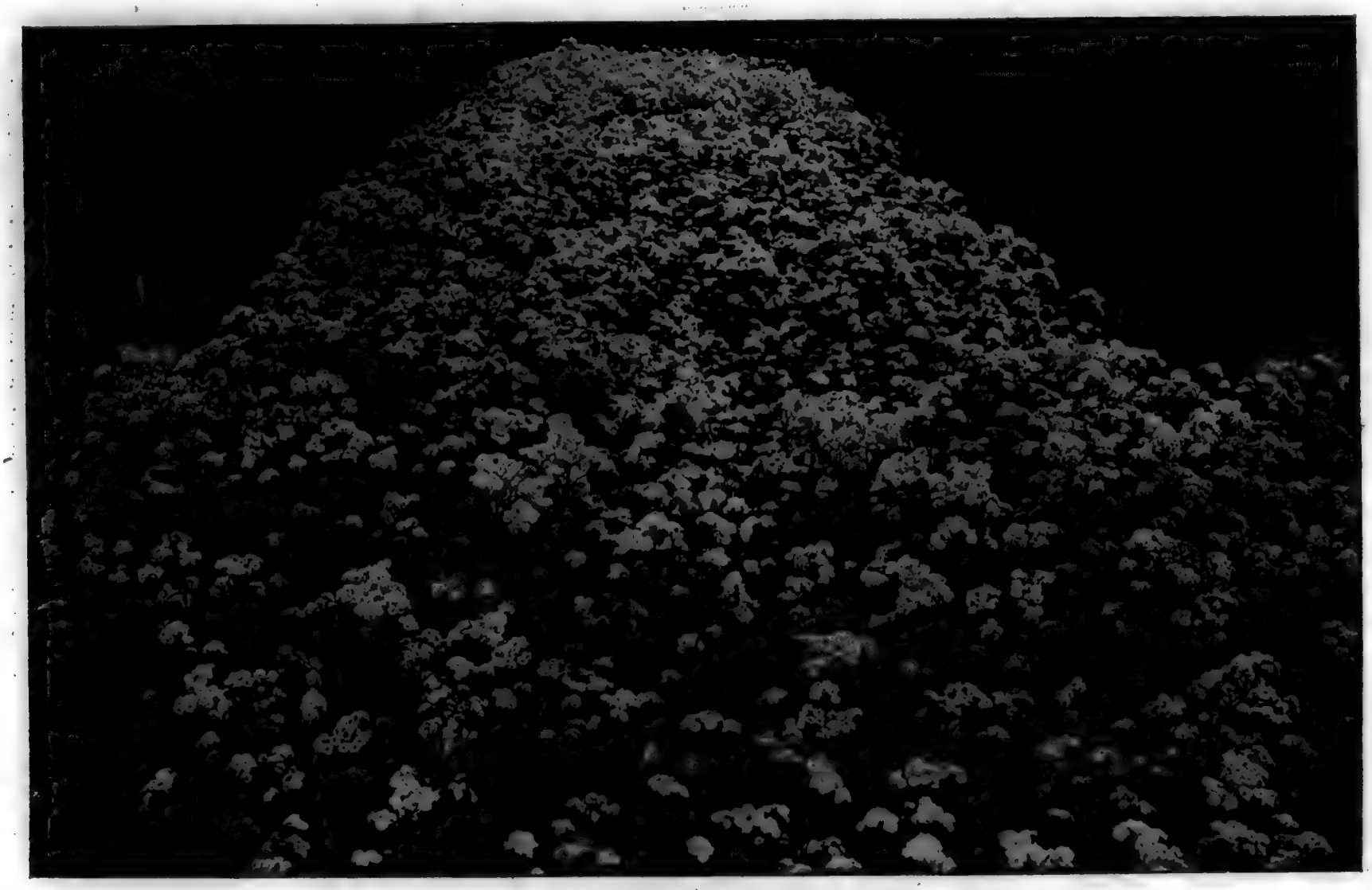
Vase of Achillea The Pearl.

ACHILLEA PTARMICA PLENA—THE PEARL.

Some years ago I recommended this plant to a brother florist who was inquiring for a good all-around hardy white flower which could be used in bouquets or bunches as well as in the making up of floral designs during the summer months. He planted a bed of them the following spring, and was quite satisfied with the result of the first year, though the plants did not flower as early in the season as those he had seen with us, but they gave him a succession of bloom until very late in the fall, and when they came out early again the spring after he was so well pleased that he expressed his thanks in a letter for suggesting this plant. About six weeks after this pleasing communication, another one arrived, quite different in character. The bed had ceased blooming, the plants would not keep on growing and flowering after the first crop had been cut, as they did the year before, and he wanted to know what he could do for them. I soon found out that the bed had been planted rather closely and was now one solid mass of runners and roots, no space was left for the healthy development of the young stems, and the soil had received but very little nourishment since the bed was planted. I recommended a liberal top-dressing of fine rich compost and regular thorough watering for about two weeks as the best remedy for the present time, also advising the annual planting of a new patch either in spring or fall and the retaining of the older bed only until the first crop of flowers had been cut therefrom the second season. The younger plants will always give us a constant succession of bloom until very late in autumn (I have gathered some very good sprays as late as November 10), still we have to rely on the older bed for flowers early in the season.

The best results are obtained with this useful plant when planted in long single rows two and a half or three feet apart. Here the individual flowers are much larger and the sprays attain greater dimensions than when their roots are confined within the limits of a smaller bed; each new runner has a chance to develop to full size and will form a many-branched stem with a multitude of perfect shaped flowers. The soil should be made very rich near the surface; the roots have no inclination to go down very deep; about a foot or fifteen inches apart in the row three or four little runners are laid in, which soon form roots and spread out quickly. As the stems grow and elongate they may show an inclination to fall over; stakes driven in at intervals of eight or ten feet and twine stretched from one to another on both sides of the row, will effectually keep the plants in an upright position; the rain cannot splash the flowers into the dirt when they are thus supported.

Really well grown achilleas are seldom seen anywhere; it is a cheap flower, and not many of our florists care to spend much time and labor on them; they are generally satisfied to have a patch on hand to cut from in case of emergency when they run short of white stuff. It



Bed of Achillea The Pearl.

surely would pay them well to grow them as indicated above; then instead of using this pretty little flower only occasionally, they would come to the conclusion that it deserves to be employed regularly on all occasions calling for light and airy work. Ordinarily we see it used up in the groundwork of funeral designs, where little sprays are wound with wire so as to form a little tight bunch about the size of a carnation. All individuality is lost entirely; we cannot distinguish the exquisite shape of each separate flower—a bunch of white is all that presents itself. The loose sprays of finer and rarer flowers, asparagus green or the adiantum fronds over them partially hide the groundwork, and it may be all right in some instances to assign a secondary place to this achillea, but I would strongly advise the use of this charming little flower, occasionally at least, in more prominent positions. A bunch of them on an ivy wreath or on one corner of a pillow is decidedly pleasing; try it and you will be convinced. Being an excellent keeper, it is admirably well adapted for loose bouquets or for vases when cut with long stems. We may use it to advantage either alone by itself or in combination with other suitable flowers.

As to the culture or treatment of achilleas, very little need be said. Any ordinary good garden soil will answer if well enriched, but they do best in a somewhat moist ground. They are as hardy as anything we have and never need protection of any description. The old established plants will begin to flower in June; the corymbs on these are generally smaller and more compact than those produced on the younger plants, especially when planted rather closely in a bed; it is for this reason that I advocate culture in the field, where we always can count on the largest corymbs, which are never so close and compact even on an older row. The loose and spready heads are certainly preferable for cut flower purposes or for arranging in vases, while the more compact heads of last year's bed are perhaps better used in the groundwork of designs.

During the month of August we usually experience a prolonged dry spell, and the plants, young or old, may then stop growing, but one or two liberal applications of water will invariably start the young growth again, and a continuous supply of flowers can be expected with certainty until late fall. I know of but very few plants which are equally valuable in the home trade of the average florist; it supplies him almost continuously with serviceable material during the entire summer and autumn, and at a very small outlay a generous supply can be grown. Out of a dozen plants or clumps as they are sold by florists and dealers, we can make several hundred, because it is not good policy to plant them undivided; they do better when only three or four tips are planted together, though from the undivided clumps we would perhaps be able to gather flowers some weeks earlier, but later in the season the production would be inferior,

K.

A NEW FUMIGATING IDEA.

Through long years of experimenting with various methods to fumigate plant houses with tobacco, where a variety of different plants were growing, we generally had difficulty to dislodge aphis from verbena, lettuce, etc., without fumigating so heavy that some other plants suffered serious damage.

Of late years we have hit upon the idea of using the fine waste from cigar manufactories. This is kept in a dry place to keep it free from any dampness, or it will not burn. We use little skeleton tin trays 1½ inches deep, 15 inches long and about 4 inches wide, with a screen bottom, such as is used for door screens. They are nearly filled level with the tobacco, and placed in the paths or under the benches, with a 4-inch pot under the one end, a few live coals are dropped in the lower end and the work is done.

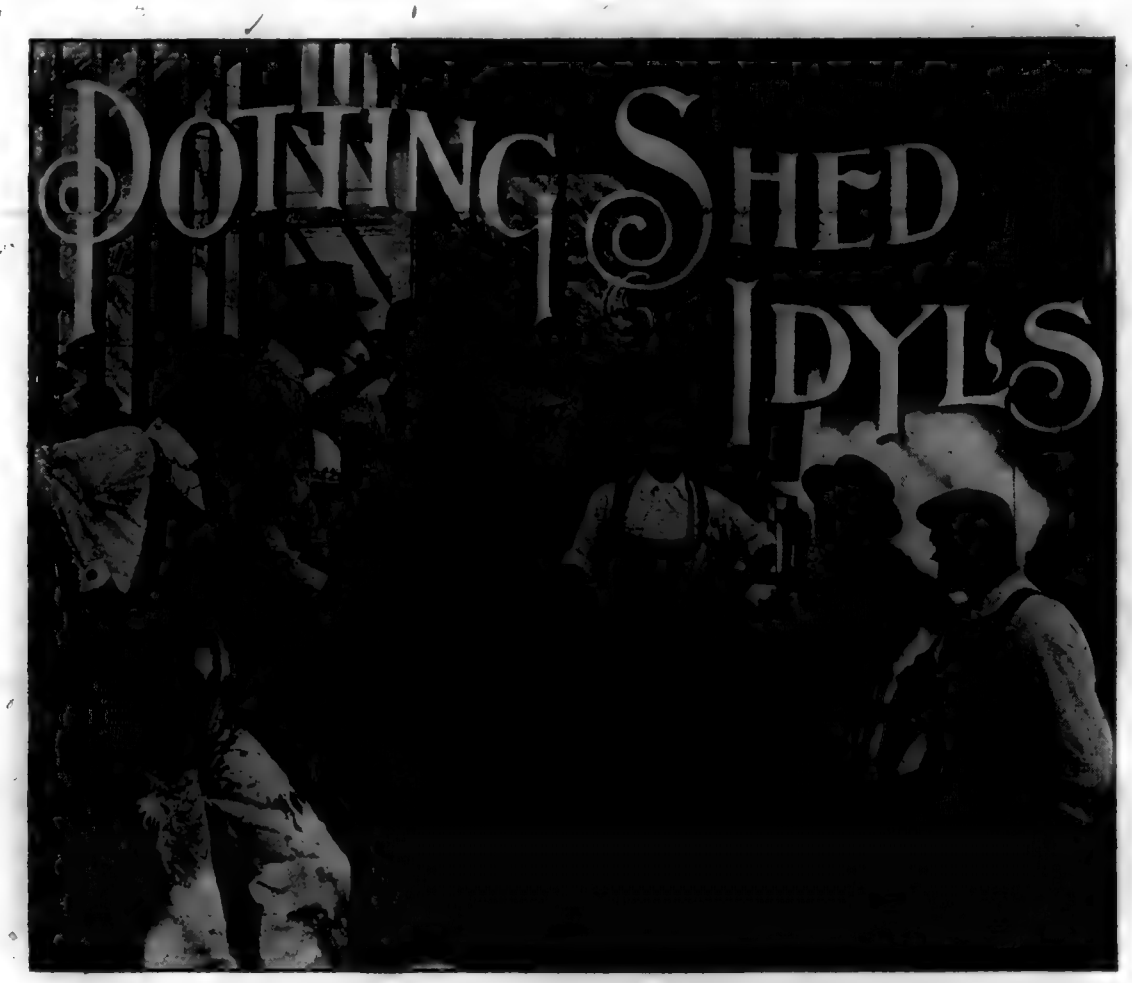
A house 100 feet long by 18 feet wide will bear four to six of the trays. The smoke will continue five hours, but at no time so heavy that a person even not habituated to using tobacco could go through the house without inconvenience; but it keeps up too long for the aphis, and one or at most two applications and they are no

more. Plants suffer no injury by this method, and we think for cut flowers, that they do not have so much tobacco odor from this light smoke, as when houses are filled with heavy smoke by the usual method.

Another advantage we find, a house may be free from aphis, save a certain batch of plants is affected. By setting a tray or two underneath such, the aphis can be dislodged without filling the whole house alike with smoke; or any part of the house can be fumigated heavier than other parts if necessary. A set of six trays will do for as many houses by fumigating in succession.

Daniel K. Herr.

Lancaster, Pa.



JAGGS DISCOURSES.

The young man who said he had graduated from a horticultural college was engaged by "the old man" with a good deal of doubt and when he had been detected in the act of sowing cineraria seed in three-inch drills the opinions expressed regarding him would have raised a blush on the cheek of a Greek fakir. However, Jaggs generously observed that even a horticultural college couldn't spoil a man for hustling a hand-barrow full of carnation plants, and the graduate continued to adorn the Lonesomehurst Greenhouses, as long as the rush season lasted.

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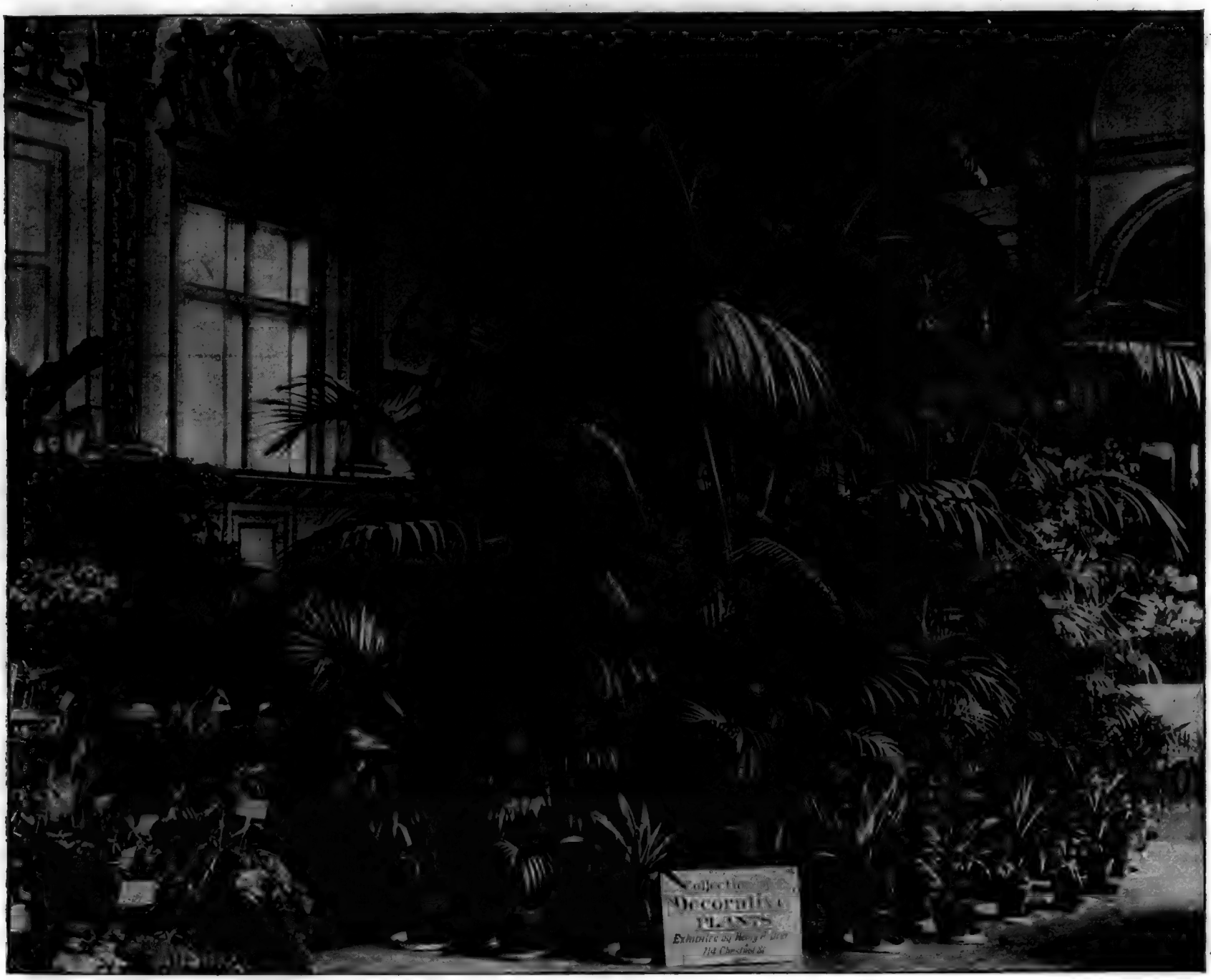
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"Did you keep that there pitcher plant chained up?" inquired one of the audience, with an air of deep anxiety.

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Jaggs reached down a 10-inch pot full of sulphur with the air of a man who had conveyed a deep moral lesson, and started for a rose house before his audience had recovered sufficiently to ask any questions. The session was over for the day.

CULTURAL NOTES.

As winter sets in, and in fact throughout that season, one of the most important matters is firing, and second only in importance to the man who waters with judgment is the watchful and experienced fireman.

It is, of course, understood that every small grower cannot afford a regular night fireman, but it would probably be found a paying investment on any well-conducted establishment comprising 25,000 square feet of glass or upwards, from the fact that greater economy of fuel and a much more even temperature may be thus maintained, beside enabling the proprietor to enjoy many a peaceful night's rest that could not be had under other conditions. The maintenance of an even temperature is one of the essentials to success in the many forcing operations that are carried on at this season, for even the easiest subjects to force into growth at an unnatural season are quite susceptible to a check after that growth has been started, and, on the other hand, too high a temperature will result in a weakened and spindly growth.

In the plant houses, also, the evil effects of over-firing are soon apparent, and among decorative plants, palms, for example, a weak growth, thin foliage, and a predisposition to disease is liable to result, and at the same time the various insect pests increase rapidly. The majority of our regular decorative palms are found to take at least a short period of rest from active growth, though in the case of the kentias this period is much less marked than with latanias, arecas, and phœnix.

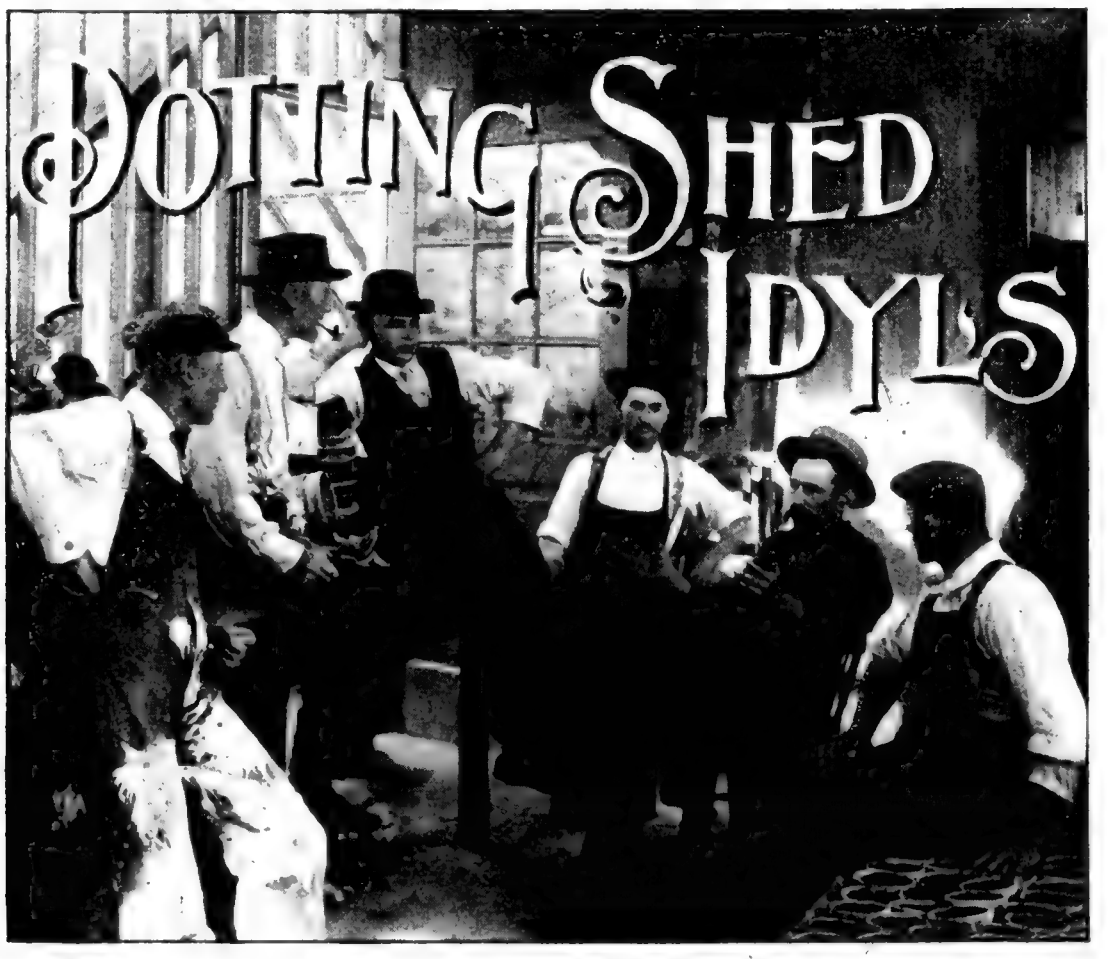
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more. Plants suffer no injury by this method, and we think for cut flowers, that they do not have so much tobacco odor from this light smoke, as when houses are filled with heavy smoke by the usual method.

Another advantage we find, a house may be free from aphis, save a certain batch of plants is affected. By setting a tray or two underneath such, the aphis can be dislodged without filling the whole house alike with smoke; or any part of the house can be fumigated heavier than other parts if necessary. A set of six trays will do for as many houses by fumigating in succession.

Daniel K. Herr.

Lancaster, Pa.



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The temperature above noted should be the maximum for this plant during the winter nights, and there is less liability to attacks of red spiders and thrips if the house is kept down to 50° and thorough syringing is given every bright day.

No alarm need be felt if the moisture hangs on the leaves of the araucarias over night this being a favorable condition for many plants of the Pine family, in witness of which the magnificent growth of coniferous trees in the States of Washington and Oregon may be instanced, these States having probably the greatest rainfall of any portion of the Union.

The requirements of the trade in different localities vary greatly, and therefore the choice of flowering and fruiting plants for the retail business must be made in accordance with the needs of the locality, but it would seem as though some nicely-grown cyclamens would find a ready market anywhere. These plants should be coming into bloom now in readiness for the holiday trade, and it is well to remember that at this period especially, care must be exercised in watering, the flowers being easily injured by too much moisture, but requiring plenty of fresh air whenever the weather permits. Well-grown cyclamens are very satisfactory as window plants, and last a long time in bloom providing the room in which they are placed is not kept too warm, but where a dwelling is kept up near to the 80° mark, as many modern homes are, it is rather unreasonable to expect a cool-grown plant to flourish.

Chinese primulas are also good stock in some places, and can be handled nicely under very similar conditions as to heat and moisture as the cyclamen, and from the improved strains offered by the leading seedsmen some very large flowered and showy specimens may be grown.

The seedlings of last summer should now be in their blooming pots (5-inch to 6-inch pots usually), and during dull weather need careful watering, a go-as-you-please application with the hose being out of the question. The primulas are but little troubled by insects, with the exception of green aphis, and this is easily controlled by the proper and regular use of tobacco stems.

The double white Chinese primula was once a valued portion of the cut-flower stock, and in the apprentice days of the writer, many a weary hour has been spent in picking and stemming primula flowers for funeral work, but that day is long past and the primula has settled down to the prosaic level of a low-priced pot plant.

The early crop of Lilium Harrisii should now be moving along rapidly, and will stand a fair amount of heat, 70° at night not being too much after the buds show, but in such a temperature aphis also grow rapidly, and frequent applications of tobacco water will be needed. It is quite convenient to have a few Harrisii flowers to use during the winter for home trade, but the large markets receive quantities of such flowers of late years, and consequently no very high prices are now realized by those who grow them.

Up to New Year's the cold storage pips of Lily of the Valley are likely to give the best results both in flowers and foliage, but after that time the new crop of pips is generally satisfactory, providing they have been well frozen and kept moist.

A steady temperature of 85° in the forcing frame is plenty for this purpose, and will bring the Lily of the Valley up enough for removal to cooler quarters in twenty to twenty-three days.

W. H. Taplin.



Nephrolepis Davalloides Furcans.

NEPHROLEPIS DAVALLIOIDES FURCANS.

The sword ferns have become deservedly popular of late years, from the fact that they are easily managed, readily propagated, and in the case of several of the species and varieties can be relied upon as house plants.

These general characteristics apply very well to the subject of our illustration, N. davallioides furcans, one of the strongest and most rapid growers of the genus, and an admirable plant in any size from a 6-inch pot upwards. The fronds of this variety grow to a length of three to four feet, are usually of a pale green color, and both the tips of fronds and also the individual pinnules are forked, thus giving a somewhat crested appearance to the fronds.

As this variety does not seed very freely, it is best propagated from the stolons or runners that soon surround an established plant, this process being facilitated by planting out the stock plants in light soil in a house in which a temperature of 60 degrees is maintained.

W. H. Taplin.

OUR GENERAL INTRODUCTION.

1. O. W. Frese, Chicago.
2. W. E. Lynch, Chicago.
3. A. G. Prince, Chicago.
4. C. W. McKellar, of Vaughan, McKellar & Winterson, Chicago.
5. E. H. Hunt, Chicago.
6. E. H. Giesy, of Lockland Lumber Co., Lockland, O.
7. E. E. Peiser, of Kennicott Bros. Co., Chicago,
8. W. E. Doyle, Boston.
9. R. W. Clucas, of Clucas & Boddington Co., New York.
10. G. H. Peiser, of Kennicott Bros. Co., Chicago.
11. J. A. Evans (Challenge Ventilator), Richmond, Ind.
12. F. R. Pierson, Tarrytown, N. Y.
13. Wm. F. Dreer, Philadelphia.
14. Wm. F. Gude, Washington, Pres't-elect Society of American Florists.
15. O. P. Bassett, of Bassett & Washburn, Chicago.
16. Walter Mott, with H. A. Dreer, Philadelphia.
17. Chas. Totty, Madison, N. J.
18. A. T. Boddington, of Clucas & Boddington Co, New York.
19. Adam Graham, Cleveland, O., President Society of American Florists.
20. C. W. Ward (Cottage Gardens), Queens, N. Y.
21. L. A. Teagle (Challenge Ventilator), Richmond, Ind.
22. P. J. Hauswirth, Chicago.
23. A. Ringier, with W. W. Barnard & Co., Chicago.
24. Flint Kennicott, of Kennicott Bros. Co., Chicago.
25. A. Gude, Washington, D. C.
26. Chas. F. Feast, Baltimore.
27. A. Herrington, Madison, N. J.
28. Lloyd Vaughan, of Vaughan, McKellar & Winterson, Chicago.
29. J. D. Eisele, of H. A. Dreer, Philadelphia.



OUR GENERAL INTRODUCTION. No. 1.

NEW YORK.

In the Wholesale District.

After a period of unprecedented dullness things have started on the upward grade, and a cold snap of long duration will help to bring the long looked for reaction. As it is, the demand is not quite equal to the supply, and though fair prices are realized, nothing like a scarcity is or has been felt yet. Trade boomed somewhat during the day before Thanksgiving and up to noon of that day, but fell very flat during the afternoon, to the benefit of the Greeks, who are the people who profit when the ill wind of a surplus "blows." A peculiar fact was registered; that violets did not sell so readily, in fact, only brought about half as much as at the same time last week, when big lots were shipped to New Haven for the Yale-Princeton football game, the best selling for 75 cents to $1.50 per 100. Carnations, however, sold well at $2.00 to $5.00 per 100, according to stock. Roses average $4.00 to $6.00, while fancies, always scarce, realized $8 to $12.

Orchids in variety, including Vanda cærulea, Oncidium varicosum, Dendrobrium formosum giganteum, undoubtedly the best white commercial orchid from a growers' or shippers' standpoint, sell readily. Cattleyas are not very plentiful. Just now the "Labiatas" are about over and "Trianæs" are hardly ready. A few Cypripedium insigne are coming in and sell fairly well at 10 cents to 12 cents, though I saw a poor lot that a wholesaler said he would accept 5 cents for. This proves to the grower that good stock in this, as in all others, nets the best financial results, and increases his bank account.

The beautiful Bougainvillea glabra Sanderiana sells pretty well for decorative purposes and is caught up quickly by the knowing ones; it is a handsome acquisition to our rather limited variety of winter flowers.

Bulbous stock is coming in gradually. Lilium Harrisii is the harbinger and they are plentiful for this time of year. They are selling at from $6 to $8 per 100. Cold storage valley, which like the poor, "we now have with us always," returns $3 to $4 to the grower. Romans realize $2 to $3 and quantity is increasing daily. Chrysanthemums are an "endless chain" and prices are "what you can get." The variety Frank Hardy, an importation from the other side, though believed to have originated in America, has run the gauntlet of wholesale and retail criticism and is considered a marvel from all standpoints. More than 2,000 blooms passed through one wholesale house at $4 to $6 per 12, while they lasted.

By the time this is published Christmas will be only three weeks away and the growers, wholesalers and retailers are already counting their chickens. We hope there wont be any dead ones among them and that the price of salt will not take an upward tendency.

Auctions.

The auctioneer's hammer will soon be stilled and not heard till spring again. The present season has been fairly good and sales are about over. William Elliott & Sons held a successful sale of hardy roses, rhododendrons, azaleas, etc., last Tuesday and will hold another to-morrow, Friday.

J. P. Cleary & Co. also held a sale of roses and miscellaneous plants and good prices were realized. Our happy friend John says if his balance sheet shows a credit in his favor he is going to join the "Benedicts." Welcome! It's your bid.

Seed and Bulb Trade.

Peter Henderson & Co. have addressed a letter to their patrons in the seed trade, that in future they will sell direct to the planter.

The fall bulb trade is about over and surpluses are being cleaned out fast. The tariff has had but little effect on the general trade and consignments were about as heavy as usual. The heaviest shipment of valley arrived this week and is fast being distributed. High grade stock is scarce with a plethora of lower quality.

Tuberoses are and will be exceedingly scarce this season. The long drought in the growing district has cut down the crop considerably and prices will rule higher than during the last few years.

All the wholesale and retail houses are busy putting the final touches to their "spring catalogues" and these promise to be as elaborate as ever. Sweet peas will be the leader with several houses and novelties of unusual merit are announced.

Mr. Robt. W. Clucas returned from an extended trip south.

Among the Retailers.

Patience is about to be rewarded to a long suffering people by a long looked for revival of business. To use one of the oldest retailer's expressions, things have been decidedly of the "porcine" order. The horse show "didn't pan out" and the "feetball games" as they call them in Chicago, have not netted more than $200 to the ton. "Reform" and the torn up street have had a demoralizing effect, but things will not always be so, and so it is that the far away future has extended the "glad hand" and the cash register will echo and re-echo the dollar mark from now on, and THE REVIEW sends you greeting.

The store windows are always a feature and are at all times a standing advertisement. The retailers try to "out-Herod Herod." Adiantum Farleyense suspended in pots in the window is a pretty feature; the fronds of this beautiful plant are also being extensively used in all "made up" and "loose work," and it gives a richness that no other "greenery" can approach.

Among the many novelties being used this season are the lace handkerchiefs for violets, there being embroidered in the corner the initial of the fair one who is to receive the gift; it is decidedly chic.

Some of the new wagons are very elaborate, and it is rumored that one will be used as a state carriage when the mayor-elect take office next January.

Mr. Alfred Dimmock, the popular representative of Sander & Co., England, sails for home December 15th to eat Christmas dinner with his family. He takes home a pocket full of orders in spite of the Dingley Bill. Come again, Alfred, meantime "Bon voyage"

William Grey died Friday, November 26th, at his home in Kenwood, near Albany, N. Y., at an advanced age. Mr. Grey was gardener to the Senior and Junior Erastus Cornings for over forty years and was one of the oldest and best known private gardeners in the United States. His specialty was orchids and he was the first to raise and hybridize orchids in this country, Cypripedium Corningii being one of the best examples of his skill.

All the florists in the vicinity of Queens, L. I., were out "Bar" hunting when I called, with C. W. Ward as chief scout. The aforesaid "Bar" escaped from confinement last summer and is still at large at this writing. A pinch of salt applied to his caudal appendage is a good way to catch your "hare." Try it, brother Ward. You can send the skin to our office; we need a rug for the winter.

There was only one seedling before the New York committee of the Chrysanthemum Society. It was a white incurved named W. H. Chadwick, shown by Grove P. Rawson, Elmira, N. Y. It is of the type of Mrs. Jerome Jones.

Wholesale trade shows a falling off this week, though quantities of flowers were used at the funeral of Mrs. Islin at New Rochelle on Tuesday.

Visitors: F. A. Herendeen, Geneva, N. Y.; Paul Pierson and Frank Hamilton, Scarborough, N. Y. H. A. B.

BUFFALO.

We don't know that any frivolities will be expected from Buffalo to welcome the new journal on its new existence and wish it God speed on what we feel sure will be a long and prosperous journey, but to refrain from being one of the first to offer congratulations is more than we could deny ourselves. Horticultural, and particularly floricultural literature, has made enormous growth this past dozen years. Editors and publishers of journals of all descriptions are much given to chaff, ridicule, and sometimes personal abuse of a more or less virulent type towards their fellow journalists, but it is most always exploded and ends in their columns, and largely because their readers like that sort of thing. Florists and those connected with our trade papers will, I know, stoop to nothing of the sort. There is most likely room for all, but if the contrary is the case, then let the best man win.

We feel that the FLORISTS' REVIEW, with its able editor, manager and publisher, has assured prosperity before it, and this I do not say because I will have the honor to contribute to its columns, not in the least, for the FLORISTS' REVIEW will not be dependent on any man or set of men, but I look to the untrammeled ability and energy of the man at the helm to steer the new craft into pleasant seas of knowledge, to shores of beauty and rivers of wealth. Grant it may be so.

For what little I have done for the *American Florist* I have received substantial remuneration, but that I do not look back to, although very useful at the time, with the pleasure with which were received many letters thanking me for my feeble efforts. In future my procrastinating and erratic ability, with what per-

severance I can command, will be devoted to the welfare of the FLORISTS' REVIEW.

Sad and depressing indeed have been the atmospheric conditions and precipitation superfluous for some days past in this region, and from the dark clouds which hung around it must have extended far and wide. In spite of wretched weather Thanksgiving trade wasn't so bad. It finished up most of the good "mums" and as there is no house of *Bonnaffon* or *"Liberty"* in store for later on, we have possibly seen the last of the chryanthemum for '97. Taken all in all the grower as well as the retailer will have to say they have gone quite as well and a little better than last year. Of course I only speak for Erie Co., N. Y.

Violets have kept up steadily in good demand and the price has consequently been aristocratic. Carnations are good and now they will have their innings and that is usually a long one in spite of all competitors.

There have been no events of any great magnitude that would warrant special mention. It was a litttle hard on a man after nearly three months' immunity from drummers to have two of the species call in on one morning, but such was the case yesterday A. M. They appeared in the shape of the little gentleman who represents various goods of Mr. Nick McCarthy, of Boston, and offers everything a florist wants, and many more he does not want, anything from a rubber hose to a glass encased florists' wagon, including a New England coachman, if thought an improvement over our native ones. The other was Mr. Killen, so well known in the west as well as the east. Mr. Killen looks after the interests of Mr. C. H. Joosten in a meditative and philosophical way.

I was induced a few days ago in company with our learned professor to run down to Rochester and see our neighbors in the Flour (not flower) City. It is a run of only sixty-eight miles in sixty-eight minutes on the Empire State Express, the fastest train in the world. We made the very most of our time and took most all the store men in, and several of the growers. Main St., Rochester, is certainly a busy street. Its business may not radiate to the north and south many blocks, but it is truly a thronged thoroughfare. I was well pleased to see the stores so busy. It was a Saturday afternoon, balmy and bright, and you would expect a business day, but it appeared a little better than I looked for. Our last call was on Allie Salter, when in strolled Charlie Vick, our old opposing base ball pitcher. To show you how well we had spent our time, in discussing some cheese and crackers and its concomitants, Mr. Vick gave us a searching look and said: "When did you come here?" answer, "10:30 A. M." "Have you seen George Savage?" "We have." "Then I must say you are in mighty good condition for what you've passed through?" Strange notions some people get.

W. S.



The Drummer Getting in his Work.

THE DRUMMER.

The accompanying snap shot will be much appreciated by the many friends of genial Walter Mott, traveling man for H. A. Dreer. The artist caught him in the characteristic pose which he always assumes after writing down a lengthy order for palms. It will be noticed that his book sags a little from the weight of the orders. Walter's order book is generally in that condition before he returns home from a trip.

"IF YOU don't see what you want, ask for it." We refer to trade supplies. If you want something not offered by our advertisers, write us about it and we will ascertain for you where you may get it.

Messrs. Bassett & Washburn, Chicago, have a red-flowered sport from carnation Mrs. Geo. M. Bradt. The sport produces flowers fully equal to those of Mrs. Bradt in size and the color is very pleasing.

BOSTON.

The annual exhibition of dried specimens of native wild flowers, grasses, etc., was held in the Horticultural Hall on November 26th and 27th, and was a perfect success. Over 1,400 specimens were exhibited and proved highly interesting, the more so when taken into consideration that this large exhibit was got together by a number of children whose ages range from nine years upward, little botanists who may sometime become shining lights in the horticultural profession. All the varieties were named botanically, and very correctly, which must have taken the collectors a considerable amount of work in classifying and pressing ready for exhibition.

Among our visitors to "The Hub" this week we were pleased to note Mr. Paul Berkowitz, representing the well-known firm of H. Bayersdorfer & Co. of Philadelphia, and Mr. Fotheringham, representing F. R. Pierson & Co., of Tarrytown, N. Y.

While visiting the different florists' stores within the last few days I could not help noticing the bang-up American Beauty and Bridesmaid roses at the City Hall Flower Market, which is conducted by the well-known Welch Bros., who are always amiability itself.

It is very satisfactory to be able to report a general improvement in the flower market during Thanksgiving week, fully realizing expectations. The notable feature of the increase in demand, and at the same time the somewhat shortened supply, was the means of advancing prices. The long depression we have had was undoubtedly the means of keeping prices somewhat lower than would have been, for had it been a few years ago, with the same scarcity the prices would have jumped away up. The following is near the prices realized. Roses, Beauties, $1.50 to $5.00 per dozen; Brides and Bridesmaids, $2.00 to $8.00 per 100; Perles and other varieties from $2.00 to $5.00 per 100; carnations, $1.00 to $2.00 per 100. Violets were scarce and maintained full price.

Last Monday being the fiftieth anniversary of the established business formerly conducted by the firm of Galvin Bros., but now owned by Mr. Thos. F. Galvin, it was commemorated by opening his new store and conservatory at the corner of Boylston and Fairfield streets, a very handsome Building. The building is 115 feet in length, and 34 feet wide, subdivided into sections suitable to their different requirements, the store being in the front, and the conservatory in the rear. The decorations of the store are of a very elaborate character, and a work of art. The floor is laid in mosaic patterns and a large plate glass mirror, twelve feet by nine feet, adorns one of the side walls. The refrigerator is also an elaborate piece of work, built of mahogany, and elegantly carved. The conservatory, which is approached from the store, is 75 feet long, 34 feet wide, and 36 feet high, with a dome running the whole length, and is filled with a choice collection of plants of all kinds suitable for decorative purposes. The staging is so arranged on benches, pyramids, etc., that every opportunity is

afforded for the inspection of the plants by their visitors.

Mr. John Galvin, father of Thos. F. Galvin, laid the foundation of this now extremely large business in 1847, in Somerville, and by his indomitable energy soon carried his business into Boston, on Washington Street, and in 1863 removed again, this time, to Tremont Street, where it has been steadily increasing, and in later years under the able management of the present owner (Mr. Thos. F. Galvin), has still continued on the road to success. May you still tread the same successful course Mr. Thomas, and good luck attend.

The Gardeners and Florists' Club of Brockton, Mass., will hold a meeting during the ensuing week for the election of officers to manage their business for the coming year. Although a new club they have many very successful growers and able talent among them, and we wish them every success.

Thomas J. Grey & Co., seed merchants, etc., will commence to remove to their new store, 30 and 32 South Market street, about December 1st. Their new premises are much larger and more commodious than those they are leaving, and they hope by the middle of the month to be open for business. C. H. J.

PHILADELPHIA.

An interested visitor to the recent chrysanthemum show was Paul Binder, Sup't of the H. A. Parr estate at Sherwood, Md., where mushrooms are raised for profit. Two thousand pounds were marketed this season, a Baltimore house handling the product at a good margin.

J. L. Dillon, of Bloomsburg, told of the fine house 300x22 feet he has just completed for the new seedling carnations of which we shall hear more later on.

A. M. Herr, of Lancaster, showed some splendid blooms of carnations Flora Hill and Triumph that vied with locally grown stock for honors. Messrs. Schroyer and Barr, of the same city accompanied him.

I believe it is the first time Geo. Fancourt missed taking in our show. Wm. Cart, of Kingston, who was along, explained his absence on account of an extra rush of business just at that time. He is sending some grand stock to New York.

H. Weber, Jr., of Oakland, Md., was one of many who complimented our superintendent upon the excellence of the show, which is the best he has yet seen.

Messrs. Montgomery, of Natick, and Nicholson, of Framingham, astonished the natives, the former with magnificent blooms of Golden Wedding and Mrs. Jerome Jones; the latter with a grand bunch of a seedling pink carnation which met with most favorable comment.

Hugh Graham is upholding the reputation of the Keystone State in naming his superb sport after it; it will doubtless prove as valuable as has its parent, Philadelphia. The exhibit of orchids made by this firm deserves especial mention; it was arranged as natural as it could possibly be and evoked much praise.

Chas. Fox exhibited some noble specimens of Areca lutescens, the like of which has seldom if ever been seen in public before. Chester Davis, gardener to Mr. Hinzey, also had a superb plant in his group; it is only upon such occasions as this one sees these plants at their best. Chas. Fox, Jr., had a fine display, the first I believe that he has made; it augurs well when the outsiders fall in so gracefully.

Henry A. Dreer made the largest exhibit ever yet attempted, filling 500 square feet of space scattered in various groups about the upper and lower halls, most effective; especially so was a group of Cocos Weddeliana, each plant nearly six feet tall. The golden latania (L. aurea) showed up well under the electric light. The Mexican tree fern (Cibotum Schiedeii) was very handsome. This is a most graceful plant and comparatively easy of culture. Their magnificent sweet bays were loaned after the show to the Bourse, to which much of the stock was also taken by other exhibitors.

Robert Craig cheered the hearts of the veterans with his splendid show of crotons, admittedly the finest ever seen in this hemisphere, and we strongly question if ever eclipsed in the other.

Jno. Shellem staged a fine lot of crotons and dracænas of exquisite color.

It pays to have a center of attraction. There has always been one here since the time of Jno. Thorpe's famous blue chrysanthemum. This year it was the new cypripedium "Edwin Lonsdale," the only duplicate or companion being on exhibition at New York and computed by a reporter of one of our dailies to be valued at $15,000, and so the world wags.

Of the plants of recent introduction a pretty saintpaulia was shown by H. Thatcher, gardener to Mr. Dissel, also some Erica hyemalis, reminding one of Covent Garden Market at this season. The new Dracæna Godseffiana shown by Henry A. Dreer is a departure amongst dracænas. The spotted aucuba like foliage makes it distinct and novel. The winter flowering Begonia Gloire de la Reine introduces one of the most free flowering and attractive varieties to the public.

W. K. Harris had a fine specimen of Dracæna Sanderiana on show. Grown in a pan and topped to sucker this makes a handsome plant.

Jno. Westcott's pair of noble vases, filled as only he can fill them, and J. Kift's Beauties took the cake.

The S. Moon Co. and Stoke-Pogis Nurseries made excellent displays of evergreens. Chas. Ribsam & Sons, of Trenton, owing to an accident were prevented from exhibiting. They have a first-class collection of well-grown stock.

The Model House interested the adults and charmed the young folks. Jno. Reig's illustration of an European grapery was well done and deserved the encomiums passed upon it.

Jno. T. Morris exhibited a sturdy plant of the uncommon Musa coccinea, grown in a 10-inch pot, throwing two flower spikes on the order of a gladiolus. The following description by Nicholson is entertaining: "A native of Cochin-China. Flower, inflorescence terminal, about one foot long, furnished with spathes of a brilliant scarlet tipped with yellow, flowering at various times throughout the season. Leaves entire, oblong, about three feet in length and six inches in breadth, color bright green. Height of plant about four feet." W. M.

CHICAGO.

Kennicott Brothers Company report that their business for the month of November was fully double that of the same month last year. This is certainly a very cheering report and is a good harbinger for better business this season. They find the quality of stock improving and an excellent demand for extra grade stock, which brings very good prices. They find violets scarce and quality not up to the mark. In fact they consider the price rather high in view of the inferior quality. They are beginning to receive Roman hyacinths and narcissus, which are very good,

Bassett & Washburn also report business for the last month as fully double that of last year. They are receiving some very fine stock from their place at Hinsdale, and sales are very satisfactory.

Reinberg Brothers are receiving some remarkably fine La France roses and are showing some grand specimens of carnations, Mayor Pingree, Flora Hill, and Triumph. They are receiving from their houses at Summerdale a very large supply of roses—the only shortage being in Brides and Bridesmaids, which are now off crop. La France, Meteors, and Beauties are now coming in in quantity.

E. H. Hunt reports receipts as rather lighter than usual, and it would appear that many of his growers are off crop at present. Carnations have been quite scarce until within the last day or so, when the cut increased, and now the supply is fair.

Vaughan, McKellar & Winterson report supply and demand about equal and business not as brisk as it might be at this season but all stock received finds a market and particularly extra good stock. They report good sales of bouquet green and wreathing and show samples of some very fine sheet moss.

Winter & Glover found carnations scarce early in the week and white sorts are still somewhat scarce. The supply of colored sorts is now larger. The stock of roses about equals the demand for them.

A. G. Prince & Co. find supply and demand about equal and feel encouraged over the outlook for the season.

A. L. Randall is receiving liberal consignments of good stock but found carnations rather scarce early in the week. Stock is now coming in better.

The Rogers Park Floral Co. are fortunate in that they are in full crop with the stock in their greenhouses at Rogers Park. They are having large receipts and sales are good, both shipping and local. They find business very much better than last year; in fact twice as large as for the same period last season.

E. C. Amling finds supply and demand about equal, with business a little less brisk than a few days ago. Indications of an improvement are, however, noticeable.

W. E. Lynch finds demand and supply about equal, with a tendency to somewhat lower prices. He displays some very good stock.

The next Meeting of the Florists' Club will be held Thursday evening, December 9th. The committee has arranged a very attractive program for this meeting and a large attendance is anticipated.

Francis Ludlow, well known to all in the trade as one of the old time gardeners in Chicago, died last week of pneumonia after a short illness, aged 64 years. Mr. Ludlow was born Dec. 31, 1833, near Derby, England. He learned his trade there and came to this country in 1863, settling in Chicago. He was for a time with the late Samuel Brooks, the pioneer florist of this city, and was, later, for several years, gardener for E. B. McCagg. Afterwards he was for many years foreman for Edgar Sanders and married Mr. Sanders' eldest daughter in 1871. At this time he started in business for himself, but soon merged his business with that of the firm of Miller & Hunt, which became the firm of Miller, Hunt & Ludlow. After this partnership was dissolved by limitation, he conducted greenhouses for a while at Naperville, Illinois, and for the past 16 years he has been one of the staff of gardeners at the Lincoln Park greenhouses. Mr. Ludlow has always been a faithful, honest, hard working man in all his varied positions and made many friends. He leaves a widow, one son and three daughters.

Burglars recently paid A G. Prince & Co. a visit but were frightened away before securing anything of much value.

ST. LOUIS.

For Thanksgiving day we had rain all day and it made things bad for the florist, but in spite of the rain, trade was fair. This is the universal verdict by wholesale and retail dealers. It helped to stiffen up prices somewhat. The wholesalers claim they did a better business than last year, but the retailers did not do so well.

The supply of stock, and particularly in roses and carnations, was good. In quality they were up to the average. American Beauties averaged fairly good in quality and quantity and were in brisk demand at top prices. First quality sold at $4.00 per dozen and the shorter stemmed ones brought from $1.00 to $3.00 at wholesale. The average price for other roses, such as Kaiserin, Carnot, Bride, Meteor, Bridesmaid, Perle, and La France, was from $4.00 to $6.00. Some extra fine blooms brought as high as $7.00. Red roses were short in supply, and Woottons had to take the place of Meteors in some cases.

Of carnations the supply was about equal to the demand except in good red, and of course the demand was heaviest for them. The price for the best stock was $2.50 and $3.00; short, common stock sold at $2.00. Scotts and Daybreaks seem most plentiful. The bulbous stock is coming in more freely just now. Narcissus (paper white) are coming in in fine shape and were quite plentiful for Thanksgiving day trade; price, $4.00. Romans are not so plentiful yet; the few that do come in are fine and brought $4.00. Valley also held its own at $4.00.

We have not seen any Harrisii in this market yet. Violets were also plentiful, Californias having the call at $1.50 per 100; for the best double, $1.00; small single (home grown), 40 cents; Southern, 25 cents. The commission men sold out clean on them, except a few Southern left. Stevia, of which there is always a good supply in season, sold at 25 and 50 cents a bunch. Mignonette was very fine and brought $2.00 and $3.00.

Some good chrysanthemums were also to be had. The varieties now on the market are Major Bonnaffon, L. Canning, H. Balsley, Ivory, Maud Dean, and H. W. Rieman. Prices range from 50 cents to $2.00 per dozen, but the majority are selling at from 75 cents to $1.50 per dozen. Smilax sold at $12.50 and $15.00 per 100 strings.

House plants are selling better, and from now on until after the holidays there should be a good demand for this class of plants.

The street fakir as well as the store fakir had a hard time to get stock for their class of trade for Thanksgiving day, and only one or two were seen on the streets.

The Diemer Floral Company has opened a floral establishment at 1631 South Broadway. E. K. Diemer and A. J. Falkenhainer comprise the firm.

Mayor Ziegenheim on Friday morning last planted the first tree in the new City Hall Park. The tree is a soft maple. The mayor said, after the planting: "I never had a tree die which I planted, yet. That tree will grow and flourish like St. Louis."

W. G. Bunde, representing Vaughan's Seed Store, Chicago, is in the city for a few days. This is Mr. Bunde's first visit to St. Louis.

C. W. Wors has moved from 313 North Leffingwell avenue to 2740 Olive street. The store was formerly occupied by the Connon Floral Company. Charlie claims that he had to move to larger quarters as his business is growing. He also reports that he will have an opening in about a week with cigars and refreshments and that the trade will be invited.

Charles A. Kuehn is enlarging his store, having built out to the alley, giving him about fifty feet more. He will also have the upper floor for wire work. Charlie is now doing a large business in cut flowers, wire work, and supplies.

The Mound City Cut Flower Company are also contemplating the enlargement of their already large store and getting in a full line of supplies.

The above three wholesale houses are all doing a large business and are supplying all the best trade.

At a meeting of the executive committee of the late chyrsanthemum show, held Saturday night, it was decided not to hold the special meeting of the club, as the following Thursday would be the regular monthly meeting of the club. This would give the committee a week's more time to collect up, so at that meeting on Thursday, December 9th, the full report will be read by the committee. Every member of the club is requested to be present, as business of great importance will come up for the full membership to act upon.

Mrs. Wm. Ellison, of Ellison & Tesson, returned last week after a two weeks' trip east attending the flower shows. Mrs. E. reports that she benefited greatly and had a delightful trip going and coming.

The Bowling Club rolled the usual three games Monday night. The cold weather must have kept some of the members at home as only a few put in their appearance. In the three games rolled, Beneke was high man with 583, J. Kunz second with 463, and Kuehn third with 459. The highest single scores were made by Beneke, 230 and 231; Kuehn 182, John Young 180, and Kunz 177. Next Monday night the Club will roll for two large turkeys, one for the best three games and one for the highest single score. All members are requested to attend this roll without fail.

J. J. B.

INDIANAPOLIS.

Not much can be said about the trade in this vicinity so far this season. There are spurts of good business, decorations for receptions and an occasional good wedding helping the florists out. It seems the "Upper Ten" are spending money more freely than last season, but the middle classes are very conservative.

Among the first-class decorations this season might be mentioned the annual Flower Mission fair for which Bertermann had the job. The decorations from the chrysanthemum show were left partly in place. Besides this a big lot of laurel and galax leaves were used. Arches, fences and gateways made the scene a very rich one and it was the talk of the city for some days.

Another choice decoration was a reception at the residence of Allen W. Fletcher. An original panel and fretwork of wild smilax, asparagus, delicate artificial colored morning glories, Beauties, chrysanthemums and other flowers were used in profusion.

Thanksgiving day trade was spoiled by two wet, rainy days. All day Thursday it rained without stopping, making it unpleasant to be on the street. The Public Market people report a very slow trade on plants; in cut flowers a little better but altogether very unsatisfactory as compared with last year.

Prices on chrysanthemums have kept up well but the supply is running short, in one way a blessing and then again they are fine when plenty flowers are needed and some showy effects are to be made. The white and good pink have been extremely fine this season and were in good demand; no oversupply was noticed in these colors; in yellows, however, too many were in the market. American Beauties are selling extremely well, so are Meteors. Carnations have been scarce for several weeks; scarlets are especially hard to get. There are many planted and very likely later in the season there will be an overabundance. Violets that are coming in are not very fine but all sell in a way; they must be arranged and made as inviting as possible. A few Harrisii lilies can be seen here and there, but as long as fine white chrysanthemums

are around lilies are not much inquired for. Roman hyacinths and paper whites are also coming in lively. Cyclamen plants are very fine this season and ought to be in every florists' window.

Among the coming decorations of note may be mentioned the one to be given by Mrs. Benjamin Harrison on Dec. 14th. Bertermanns have full sway to get up something fine.

It is amusing many times to hear customers and others exclaim, "Oh, what a beautiful business, there must be lots of money in the flower business; and what pure thoughts ought the florists to have," etc., etc. When it comes right down to facts, it is a very nice business to work in, but how many drawbacks, how many hours of anxiety, how much mean competition and other mean things does not a florist have to put up with! An instance of how far near sighted competition can go. The usual price for decorative plants, medium sizes, was taken for granted at $3 a dozen, but now several firms have cut these prices to $2 and $1.50 a dozen. There is no excuse for anything of this kind in our business; it does not pay and is of no use; it only still more reduces the florist's business to a mere nothing as to profits. It cheapens these perishable goods in the eyes of the public and many will do without these decorations, reasoning that everybody has them, let us get something else.

Since the past chrysanthemum show many ideas of different members of the society have come up as to what to do about another show. In spite of a state appropriation and a liberal special premium list, premiums had to be cut a good slice. The most feasible plan at this time seems to be that the executive committee of the state society shall meet with a few prominent merchants of this city to formulate a plan to make up a sufficient amount to cover all expenses and premiums and to arrange with the railroads for low rates, etc., the society to make a uniform admission fee of 10 cents and probably one evening at a high admission, with special attractions. Another plan much favored by florists outside of Indianapolis is to hold the exhibition either at Richmond or Anderson. Still another plan is to hold a good rich display of flowers at the annual meeting, free to the public.

The regular monthly meeting of the local club and also the annual election will be held at Mr. E. A. Parkers's residence, Tuesday evening, Dec. 7. Very likely the show question will come up for discussion and some ideas formed as to what to do. W. B.

In our advertising pages you will find all the best Chicago wholesale cut flower houses well represented. If you want anything in the Chicago market you can get it from those advertising in this issue, and you can be assured of the right kind of treatment.

The Florists' Manual, by William Scott, will be the most important contribution ever made to the literature of the profession in America. Extracts from the advance sheets will appear from time to time in the Florists' Review.

The Florists' Review

G. L. GRANT, Editor and Manager.

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Advertising rates: Per inch, $1.00; ⅛ page, $13.00; full page, $25.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to assure insertion in the issue of the following Thursday.

Copyright 1897.

When you are in Chicago we shall be glad to have you call on us.

Send in your photograph for our general introduction. See our announcement about it.

There are many good things in course of preparation for the readers of the Florists' Review.

When you send an order to an advertiser please say that you saw his adv. in the Florists' Review.

Please let us have your subscription promptly. We will appreciate a quick response to our liberal offer.

If this sample number pleases you please show your appreciation by sending in your subscription promptly.

Send in your advertisements of help wanted and situations wanted. Where they do not exceed five lines in length, (seven words to a line) we will insert them free.

The editor invites you to send in any questions of trade interest you would like answered. He will get a practical and helpful answer for you if the question is answerable.

If you need any trade supplies not offered by our advertisers write us about it and we will see that you are placed in communication with someone who can supply what you want.

Send us items of news about new greenhouses, new florists, business changes or anything you think may be of interest to others in the trade. We want all the news of all the trade.

Advertisements of help wanted and situations wanted, not exceeding five lines (seven words to the line) will be inserted free until further notice. Additional lines 10 cents each, per insertion.

We are not ashamed of this issue of the Florists' Review but we shall do better in future. We intend to make this paper one which will compare favorably with any other publication in the world.

Messrs. Bassett & Washburn, Chicago, report that the volume of their business for Thanksgiving was nearly double that of any previous year. Commencing with Monday and including Thursday they cut ten thousand good, merchantable American Beauty roses and sold them all, even then being unable to fill all orders received. This is certainly a very cheering report and shows that there is a decidedly better feeling in the business world, and among buyers of flowers.

OUR GENERAL INTRODUCTION.

In this number we start our general introduction. We intend to present to our readers every legitimate florist in the United States and Canada who joins the Florists' Review family. Send in your photograph with your subscription, or at any time you wish afterward. We shall publish page groups as rapidly as we can make space for them. When the introduction is complete we shall probably republish all the plates in book form with a general alphabetical arrangement of the names, so any portrait can be quickly looked up. In sending photographs please be careful to write your name and address on the back, and do not send us any photos that must be returned, as we have to cut them up in arranging the groups. Cabinet size photos are preferred.

CUT FLOWER MARKETS.

New York, Nov. 29.

Roses, Beauties, extra special	$40.00@50.00
" " No. 1	20.00@25.00
" " No. 2	12.00@15.00
" " No. 3	6.00@10.10
" Brides	4.00@ 6.00
" Bridesmaids	4.00@ 6.00
" Testouts	6.00@12.00
" Carnots	5.00@10.10
" Meteors	5.00@ 6.00
" Morgans	4.00@ 6.00
" Perles	3.00@ 4.00
Carnations	1.50@ 2.00
" fancy	3.00@ 5.00
Cattleyas	35.00@40.00
Cypripediums	8.00@12.00
Harrisii lilies	6.00@ 8.00
Chrysanthemums	10.00@20.00
" seconds	1.00@10.00
Mignonette	4.00@ 6.00
Violets	.75@ 1.50
Adiantums	.50@ 1.00
Asparagus	50.00
Smilax	12.00@15.00

St. Louis, Nov. 29.

Roses, Beauties, long	$15.00@25.00
" " short	8.00@10.00
" Meteors, Kaiserin	3.00@ 5.00
" Mermets, La France	3.00@ 5.00
" Bridesmaids	3.00@ 5.00
" Perles, Wootton	2.00@ 4.00
Carnations, fancy	2.00@ 2.50
" common	1.00@ 2.00
Violets, single	.25@ .40
" double	.75@ 1.00
" California	1.00@ 1.50
Valley	4.00
Stevia	.25@ .50
Paper White Narcissus	4.00
Roman Hyacinths	4.00
Chrysanthemums, fancy	10.00@15.00
" common	2.00@ 6.00
Smilax	12.50@15.00
Adiantum	1.00
Asparagus	35.00@50.00

Chicago, Dec. 1.

Such a complete picture of the Chicago market is given in our advertisements that quotations seem unnecessary. You will find up-to-date quotations of nearly every house among the advs. A review of the market conditions will be found in our Chicago news report.

GLADIOLUS FOR FORCING

Shakespeare, white, per thousand, $40; per hundred, $5. Isaac Buchanan, yellow, per thousand, $25; per hundred, $3. Mme. Monneret, pink, per thousand, $10; per hundred, $1.50. White and Light Mixed, per thousand $25; per hundred, $3. Now is the time to secure your Gladiolus for forcing, and being a grower of this bulb inside and out, I know that I can give you just what you need. You will find my White and Light Mixture superior to anything on the market as a forcing mixture. If you have failed to force Gladiolus to a profit just give them a good strong bottom heat and note the results.

CANNAS:::

We have Cannas too, large roots and small roots, either for forcing, counter trade or mailing. By the hundred, thousand or hundred thousand. Please mention just how you want them and when you want them, the sooner the better for you, as the stock is finer this year than ever and that is saying a great deal, for this locality is the best for Cannas. Alphonse Bouvier, Chas. Henderson, Mme. Crozy, Paul Marquant, Paul Bruant, $3 per hundred; $25 per thousand. Austria, Chicago, Eldorado, John White, $6 per hundred. Egandale, Florence Vaughan, Queen Charlotte, $4 per hundred; $35 per thousand. Italia, Papa, Pierson's Premier, $10 per hundred.

We will have all of the best new ones to offer after Jan. 1st. You will hear about them later. Remember our roots are not cut to the single eye but are natural division and have from two to four eyes. Those with whom I am not acquainted will please send cash with the order.

CHARLES H. ALLEN, FLORAL PARK, LONG ISLAND, NEW YORK.....

AN UNPARALLELED SUBSCRIPTION OFFER.

EVERY one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

Why do we make such an unparalleled offer? It is very simple.

You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.



Write us for Illustrated Catalogue.

WINTER & GLOVER

21 Randolph St., CHICAGO.

PRICES FOR CURRENT WEEK.

	Per 100.
Beauties, first quality	$18.00@25.00
Beauties, medium	8.00@15.00
Meteors, Brides, Maids	3.00@ 6.00
Perles	3.00@ 4.00
Carnations, long	1.00@ 1.50
Carnations, fancy	1.75@ 2.00
Valley	4.00@ 5.00
Violets	1.00@ 1.75
Romans	4.00
Stevia	1.00
Adiantums	.60@ .75
Smilax	10.00@15.00
Ferns, per 1,000, $1.75	.20

High Grade

Cut Flowers

Properly Packed and Promptly forwarded.

Full Line of Wire Designs and Florists' Supplies.

Telephone Main 3208.

A. G. PRINCE & COMPANY

Wholesale

Cut Flowers and Florists' Supplies

AGENTS FOR
HINSDALE ROSE CO.

88 & 90 WABASH AVENUE
CHICAGO

Gladiolus for Forcing

In Season Now.
Send for Prices.

Florists' Supplies

Suitable for
the Holiday Trade.
Send for Special Price List.

Our General Wholesale

Seed Catalogue

will be issued about Jan. 1st, 1898.
Send us your address and we will mail one to you.

HIGH-GRADE

Florists' Flower Seeds and Bulbs.....Our Specialties

HEADQUARTERS FOR.....

Holly and Mistletoe

DELAWARE HOLLY, guaranteed to be solidly packed, foliage perfect, dark green and well berried. Price per case, $5.00; per 2 cases, $9.00.

ENGLISH MISTLETOE, re-packed in $2.00, $5.00 and $10.00 cases. Special price for original crates.

BOUQUET GREEN, $6.50 per 100 lbs.

Stumpp & Walter Co.,

SEED GROWERS and IMPORTERS.....

50 Barclay St., NEW YORK.

OUR SPECIALTY, CUT

Cattleyas.....
Dendrobiums..
Oncidiums.....
Cypripediums.
Etc., Etc.

Orchids

Phalaenopsis..
Vandas.....
Odontoglossums
Laelias.....
Etc., Etc.

AND FANCY STOCK OF ALL KINDS.

We are Practical Orchid Growers and Expert Handlers of Cut Orchid Flowers

TEL. 2778 38th St.

MacDonald & McManus,

50 W. 30th Street, NEW YORK.

Wm. J. Baker,

1432 S. Penn. Square, PHILADELPHIA, PA.

WHOLESALE CUT FLOWERS

Original Headquarters for Carnations.

LOCAL AND LONG DISTANCE TELEPHONE. 42-43A.

EDWARD REID

WHOLESALE FLORIST

NO. 40 SOUTH SIXTEENTH ST.

PHILADELPHIA - - - PA.

PLEASE MENTION
The Florists' Review
When Writing Advertisers.

SEND IN YOUR PHOTOGRAPH FOR OUR GENERAL INTRODUCTION.



REINBERG BROS.

Wholesale Cut Flowers

51 WABASH AVENUE, CHICAGO.

ROSES AND CARNATIONS GROWING UNDER 500,000 FEET OF GLASS ENABLE US TO SUPPLY ANY QUANTITY.

WE grow our own stock, and when you order from us you will get strictly fresh goods. Don't be afraid to take orders for American Beauties. We can supply you. We are headquarters for AMERICAN BEAUTIES. We also grow bulb stock, such as VALLEY, ROMANS, DAFFODILS, HARRISII, LILIES and TULIPS, of which we have secured the best bulbs the market affords.

We will this Spring, as heretofore, have large quantities of young roses for sale. Before ordering elsewhere write us for prices. Stock ready for shipment March 1 next.

Prices for the Week.....

	PER HUNDRED
American Beauties, long	25.00
American Beauties, 30-inch stem	20.00
American Beauties, 20 to 24-inch stem	15.00
American Beauties, 15 to 18-inch stem	12.00
American Beauties, short stemmed	6.00 @ 8.00
Kaiserins	4.00 @ 6.00
Brides	4.00 @ 6.00
Bridesmaids	4.00 @ 6.00
La France	4.00 @ 8.00
Belle Siebrecht	3.00 @ 4.00
Meteors	4.00 @ 6.00
Perles	3.00 @ 4.00
Carnations	1.50 @ 2.00
Violets	1.50 @ 2.00
Smilax	10.00 @ 12.00

Telephone..... Harrison 85

Estimates furnished on application. Work delivered when ordered. Forms called for and delivered.

The Regan Printing House

Day and Night Pressrooms

87-91 Plymouth Place Chicago.....



Buy Your Flowers Direct from the Grower

We are the largest growers of American Beauties in this country, and also grow large quantities of Brides, Bridesmaids, Meteors, Perles, Kaiserin and Carnot, Fancy Carnations, Harrisii Lilies, Lily of the Valley, Dutch Bulbs, Smilax, Asparagus and Adiantum.

Our Wire Work Designs are the most artistic and best made of any in the market. We have made arrangements enabling us to furnish a very choice grade (quality guaranteed the best) of

Christmas Greens

Holly, Mistletoe, Evergreen Wreathing, Bouquet Green, etc.

Our prices on FLORISTS' SUPPLIES are as low as any and quality the best. We make a specialty of FLORISTS' RIBBONS at prices very much under any other firm.
Get our Weekly Price List and send us a trial order.

BASSETT & WASHBURN,

Greenhouses and Residence
Hinsdale, Ill.

88, 90 & 92 Wabash Avenue,
CHICAGO.

Holiday Goods...

Bouquet Green,
Holly, Mistletoe, Immortelles,
Cape Flowers, Wreathing.

WRITE US FOR OUR SPECIAL PRICES.

WHOLESALE FLOWER PRICE LIST

Roses, Beauties, long	15.00@25.00
" " medium	8.00@15.00
" " short	4.00@ 8.00
" Brides, Bridesmaid	3.00@ 4.00
" Meteors, Testout	3.00@ 4.00
" Kaiserin, Carnot	4.00@ 7.00
" Niphetos, Perle	3.00
Carnations	1.00@ 1.50
" fancy	2.00
Violets	1.25
Narcissus, Romans	3.00@ 4 00
Harrisii	16.00
Valley	4.00@ 5.00
Adiantum	.50@ .75
Smilax	10.00@12.00
Asparagus	50.00@75.00
Common Ferns, per 1000	1.50

Our Store open nights until 7 o'clock, Sundays and Holidays 12 Noon.

Give Us Your Orders.

W. E. LYNCH,

Wholesale Commission Florist

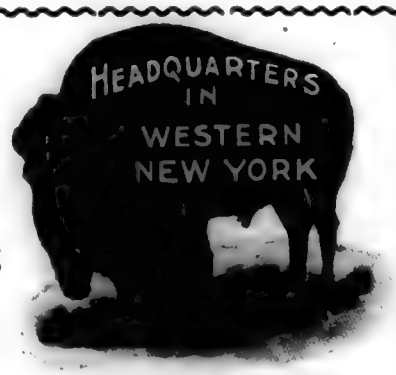
CUT FLOWERS

American Beauties and all other Fancy Roses
Fancy Carnations and all Bulbous Stock

The RIGHT kind of Stock, packed in the RIGHT way, delivered at the RIGHT time, and at the RIGHT prices.

19-21 Randolph St., CHICAGO.

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

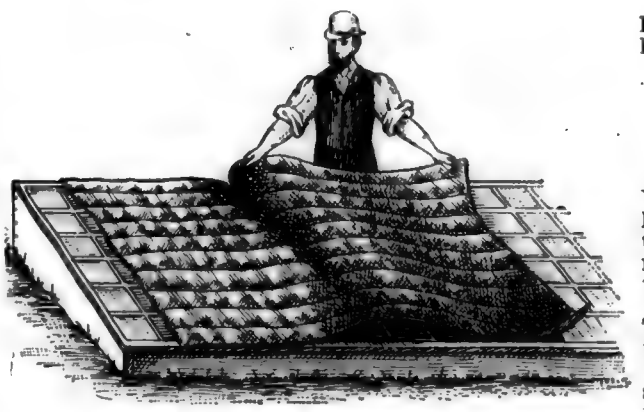
495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

Make the work of ventilating easy if you want it done properly and attended to as frequently as it should be. The Evans' Challenge Ventilating Apparatus meets this requirement to the fullest degree. Quaker City Machine Co., Richmond, Ind.

Palmer's Hotbed Mats

FROST PROOF.



Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds.

Indestructible, Cheap and Warm.

Will not harbor mice or vermin. Easy handling. Have now been in practical use three years. Costing less than half as much as old fashioned straw mats and entirely taking their place.

Made in regular sizes, 76x76 inches and 76x40 inches, or any size desired. Sold by the running foot 76 inches wide.

We also make the cheapest, warmest and strongest **HORSE BLANKET** in the world, weighing 9 pounds.

THE R. T. PALMER CO.

Or New London, Conn. **113 Worth St., NEW YORK.**



Holly, Bouquet Green, Wreathing.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary	per 100,	$1.50—
Select	"	2.00—
Fancy	"	3.00—
ROSES.		
Beauties, long, scarce	per doz.,	$3.50—
Beauties, medium, scarce	"	2.00—
Beauties, short, scarce	"	1.00—
Brides	per 100,	3.00— 5.00
Kaiserin	"	3.00— 5.00
Maids	"	3.00— 5.00
Meteor	"	3 00— 5.00
Perles	"	2.00— 4.00
Our Selection	"	3.50—
GREENS.		
Asparagus	per string,	$ .60—
Ferns, Adiantum, select	per 100,	.60—
Common Fancy, 1,000, $1.50,	per 100,	.25—
Smilax, common, fancy	per doz.,	1.25—
Ivy Leaves	per 100,	.75—
Galax, green	"	.15—
Wild Smilax, Parlor Brand	case,	3.75—
Wild Smilax, Medium	"	5.50—
Wild Smilax, Large	"	8.00—
Extra fine lot of Wild Smilax now on hand.		
MISCELLANEOUS.		
Alyssum	per 100,	$ .25—
Marguerites	"	.75—
Mignonette	"	1.00—
Callas	per doz.,	1.50—
Harrisii	"	1.50— 2.00
"Mums," single stem disbudded stock.		
Fancy	per doz.,	2.00— 3 00
Common	per 100,	8.00—12.00
Romans	"	3.00—
Stevia	"	1.50—
Swainsona	"	2 00—
Valley	"	5.00—
Violets	"	1.50—

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

Following is the form of certificate we issue to subscribers:

$1.00 **$1.00**

The Florists' Publishing Company, Chicago.

This Certifies that _____ of _____

_____, is entitled to the annual dividends on one-tenth of a share (par value of each share $10.00) of the stock of the FLORISTS' PUBLISHING COMPANY, of Chicago, Ill., that has been placed in my custody as Trustee, so long only as

_____ shall remain a paying subscriber to the FLORISTS' REVIEW.

This certificate is transferable only to _____ successor in business, and then only on application to the undersigned. Dividends will be made of net profits on the first day of January of each year.

Certificate holders are reminded that by confining their purchases to those who advertise in the FLORISTS' REVIEW (always mentioning the paper when writing) they will greatly enhance the earning power of their certificates.

Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL)

_____,
Trustee.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

WHEN YOU WANT THE **BEST**
SEND TO
BASSETT & WASHBURN,
CHICAGO

Cinerarias and Calceolarias...
We have a superior strain of these beautiful plants.

Cinerarias, 2¼-in.	$2.00 per 100
Cinerarias, 3-in.	3.00 per 100
Calceolarias, 2¼-in.	3.00 per 100

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

A. L. RANDALL
Wholesale Florist....
126 Dearborn Street
CHICAGO

MY aim is to give complete satisfaction, both in **quality** of stock and **promptness** in filling orders. Prompt attention given to all orders, large or small. Florists' Supplies furnished on short notice. Close Sundays 2 P. M. Evenings 9 P. M. Telephone 1496.

ROGERS PARK FLORAL CO.
WHOLESALE GROWERS OF
FINE
ROSES AND CARNATIONS
are specialties with us. American Beauti s a leader. We grow ourselves the stock we offer.
Cut Flowers.
TEL. MAIN 1811.
41 Wabash Avenue, CHICAGO.

WHAT PROGRESSIVE AND SUCCESSFUL FLORISTS SAY OF MY.....
TEMPERING APPARATUS
.....WHICH REMOVES THE CHILL FROM THE SYRINGING WATER.
Ernst Asmus, West Hoboken, N. J., after four years use, writes: "It is very satisfactory..... It has been a great benefit to my stock, as well as improving the quality of my blooms."
Thorne & Co., Flushing, L. I., write: "It works to our entire satisfaction, and is so SIMPLE, working in connection with the greenhouse hot water heating plant."
Salter Bros., Rochester. N. Y., write: "The only fault we found was, it got too hot; but after a little, we got it regulated."
HENRY W. CIBBONS, Heating Engineer and Greenhouse Builder,
136 LIBERTY STREET, NEW YORK.

Tree and Shrub Seeds
Seedlings, Etc. Magnolia and Calycanthus seed a specialty. Write for Price List.....
J. H. H. BOYD,
CAGLE.....Sequatchie Co.....TENN.

One sale makes two other sales. A trial of our apparatus will make you a customer for all the apparatus you may ever need. We want you to give it that trial—the apparatus will do the rest. Quaker City Machine Co., Richmond, Ind.



E. C. AMLING,

Wholesale Commission Florist

88 Wabash Ave., Chicago.

Consignments solicited. Prompt attention to shipping orders.

PLACE HOLIDAY ORDERS

FOR KELSEY'S BRILLIANT

Green and Bronze Galax Leaves and Leucothoe Sprays NOW

and avoid the coming Rush. Finest Leaves and Packing. Prices:

GALAX—large or small, either color—per 1,000, $1.00; 5,000 lots at 75c.
LEUCOTHOE SPRAYS—per 100, 75c.; per 1,000, $6.00,
Wholesalers supplied at very special rates.
I am packing Original Assorted Cases for Florists, as follows:
Case A. 5,000 Galax, assorted sizes and colors, for $3.75.
Case B. Same as Case A and 200 Leucothoe Sprays additional, for $5.00.
Case C. 10,000 Galax, assorted sizes and colors, $7.50.

Terms, Cash.
Shipments from Boston or North Carolina.....

Give explicit shipping directions, otherwise I use best judgment. **Telegraph orders save time.** Order one or more cases as above; or in very large cases, Galax by thousands, color and size; Leucothoe Sprays by hundreds or thousands. Samples and full information free.

Address all communications to the **INTRODUCER,**

HARLAN P. KELSEY, 1123 Tremont Building, BOSTON, MASS.

CHAS. W. JACOB & CO.

DIRECT RECEIVERS OF

CAPE FLOWERS

WRITE US for Samples and Prices for any Quantity.

NO. 63 PINE ST., NEW YORK.

Once a customer—always a customer. Excellence wins. Our order book shows it. Our increased facilities for manufacture show it. We can take care of all orders promptly. Quaker City Machine Co., Richmond, Ind.

Burpee's Seeds Grow

Try

Jadoo...

and be convinced



ASPARAGUS SPRENGERI specimen 12 feet in circumference.

THE MOST USEFUL NEW PLANTS FOR FLORISTS

ASPARAGUS SPRENGERI.

This is now grown extensively by all the leading eastern florists, not only for cutting, but also for all decorative purposes. It forms specimens 12 ft. in circumference, like cut, with plume-like sprays, 8 ft. long.

Fine Plants, 2½ inch Pots, $6.00 per 100; 3½ inch, $10.00 per 100; 6 inch, $50 00 per 100; 25 at 100 rate.

Seed of above to arrive December, $1.75 per 100; $15.00 per 1000.

NEW GOLDEN CALLA (Richardia Pentlandii.)

The only true **Golden Yellow Calla**, flowers as large as the White Calla; very free bloomer and good grower. Not long ago 90 guineas were refused for two plants offered at auction in England. Strong blooming size bulbs, $1.50 each; $15.00 per 12.

PURPLE FRINGED CALLA. Flowers 9 inches long, purple and white, curiously fringed, 50 cts., each; $4.00 per 12.

BLACK CALLAS, FINE BULBS, $6.00 PER 100.

NEW CANNAS.

The following New Cannas were originated in our establishment and first sent out by us:

Philadelphia, the finest crimson scarlet to date.
Duke of Marlborough, the darkest of all Cannas, an improved Philadelphia.
Lorraine, pink, broadly edged white.
Topaz, the only pure yellow.
Cuba, largest gilt edge.
Duchess of Marlborough, the only pure pink.
Klondike, the only large pure orange.
Champion, largest and finest scarlet.
Maiden's Blush, rosy flesh.
Moonlight, nearly white.
Triumph, Mephisto, Sensation and others.

Parties wishing to catalogue these in 1898, will be given liberal terms. Electros and colored plates at cost. Send for list.

Canna ,Italia, $6.00 per 100. Canna Austria, $4.00 per 100.

DAHLIAS Prize Winners, Grand Duke Alexis, Gilt Edge (new), Red and Black, Mrs. Agnew, Snowclad and all leading novelties.

SUMMER BLOOMING BULBS.

For catalogue men—very large assortment at very lowest prices.

RUELLIA MAKOYANA.
Fine novelty for florists' use. $2.50 per 12.

DUTCH BULBS.
Send for list of surplus bulbs at very low prices.

Electrotypes for Florists and Seedsmen.

We have more than 12,000 electros of Flowers, Plants, Fruits, etc. List of catalogues on application. Wood Engraving and Process Work made to order at lowest possible prices.

A. BLANC & CO.,

314 and 316 N. 11th St., PHILADELPHIA, PA.

PETER MACDONALD JAMES MCMANUS

MacDONALD & McMANUS

WHOLESALE FLORISTS.....

'PHONE, 2778 38TH ST.

50 West 30th St. NEW YORK.

SHIPPING CUT FLOWERS.—We have had the privilege of examining the novel shipping frame for cut flowers invented by Mr. J. M. Clark, Des Moines, Ia. These frames hold ten blooms each, so adjusted that each flower is held firmly but gently in place and the frames nest together, being held firmly in position in the case by slipping the edges into thin slits in the sides. The flowers can go from the grower to the consumer without any rehandling whatever. The benefit to the stock by doing away with all rehandling would certainly be considerable. Mr. Clark is preparing to manufacture these frames in quantity and says they can be sold at so moderate a price that returning the frames will not be necessary.

THE "Rose leaf" tobacco extract has now become a real necessity to every florist. Vaporizing is far superior to "smoking" in every way and is even more effective.

Meet Us at The Old Stand

Always Open

MILLANG & CO.

Wholesale Commission Florists

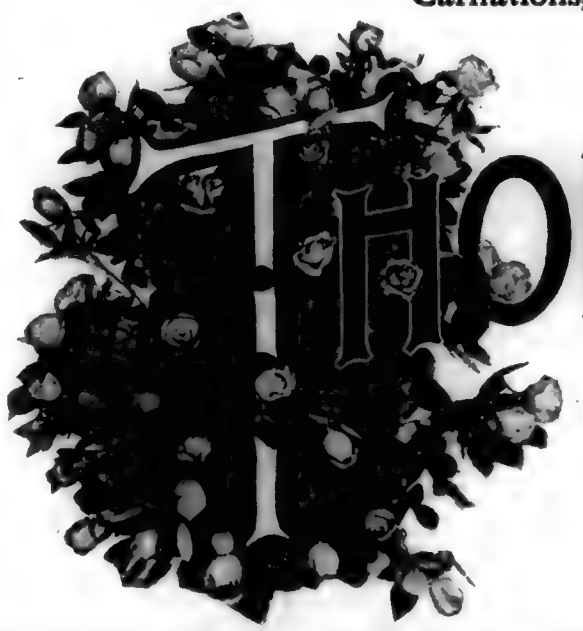
48 West 29th St., New York.

Between Broadway and Sixth Avenue.

ESTABLISHED 1879.

My Specialty: Extra selected stock from the cream of the growers, and I handle their specialties, which include, as follows:

Prime American Beauties,
Cattleyas, Violets, Mignonette, Roman Hyacinths,
Paper White Narcissus, Ferns, Asparagus, Roses,
Carnations, and all standard stock.



THOMAS YOUNG, JR.

48 West 28th Street, New York.

We Must Make Room...

HERE IS YOUR CHANCE!

RUBBERS

8-12 leaves - - $3.00 per doz.
13-18 leaves - - 4.00 per doz.

Nephrolepis Cordata Compacta

Largest Stock in the West.

2½-in. pots - - $10.00 per 100
3-in. pots - - 15.00 per 100
4-in. pots - - 30.00 per 100

CASH WITH ORDER.

JNO. G. HEINL & SON,
TERRE HAUTE, IND.

A SURPRISE COLLECTION

TO THE FLORISTS OF THE UNITED STATES.

Send us $1.00 for our Surprise Collection and we will send you $4.00 in plants, mostly new varieties, so if you wish to put in a stock for Spring sales you will know where to get them cheap. We grow 2,000,000 plants a year. Try it.

THE MORRIS FLORAL CO., - Morris, Ill.

VIOLETS.

Luxonne and California. Large, healthy clumps out of frames, $3.00 per 100, $25.00 per 1,000.
Bellis (Daisies). Good stocky plants, $2 50 per 1,000; 500 at thousand rate.

J. C. SCHMIDT & Co.,
BRISTOL, PA.

For the HIGHEST GRADE
Cut Flowers TRY
BASSETT & WASHBURN, Chicago

ROYAL PALM NURSERIES REASONER BROTHERS ONECO, FLORIDA, U.S.A.

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Am. Beauties, medium	$ 8.00 to $12.00
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All Flowers in Season at lowest market rates.

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It is not what you pay for the extra select stock---but what the extra s
bear in mind that the best is the mo

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It pays to trade at headquarters and the greatest
Special cash sale---reduction in price---"we're sh
Work 25 to 50 per cent less than elsewhere. B
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This year's customers must be ours next year

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Smilax	10.00 to 15.00
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Romans, Narcissus	4.00
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Asparagus	per string, 50c to 65c
Galax	per M, $1.50 .20
Common Ferns	per M, 2.00 .25

Common Ferns, 500 sold at 1000 rates.

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Asparagus always on hand.

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...elect stock pays you. We are all striving for one purpose. It is well to ...st economical---that is clear enough.

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You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

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Chrysanthemum Pennsylvania

THE finest yellow chrysanthemum for cut blooms or exhibition ever produced. Certificate of National Chrysanthemum Society, Silver Medals by Pennsylvania Horticultural Society, New York Gardeners' Society, and Kentucky Society of Florists. Certificate of Merit from Philadelphia, Boston, New York, Indianapolis, Montreal, Canada. Cincinnati, Germantown.

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IN JUST THE WAY
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ESTABLISHED 1857.

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1708 North Halsted Street, Cor. Aldine Avenue CHICAGO, ILL.

The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

PALMS.

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
Areca Lutescens, 3 plants in pot	4-inch.	12-14			$3.60	$30.00
Areca Lutescens, 3 plants in pot	5 "	30-34	8-10	$0.75	9.00	
Areca Lutescens, 3 plants in pot	6 "	34-38	8-12	1.00	12.00	
Areca Lutescens, 3 plants in pot	7 "	40-45		1.50	18.00	
Corypha Australis	5 "	18-20	7- 8	.50	5.00	
"	6 "	18-22	8-10	.75	9.00	
Kentia Belmoreana	4 "	16-18	4- 5	.50	3.60	30.00
" "	5 "	14-16	5- 6	.75	7.20	
" "	6 "	20-24	3- 5	1.25	15.00	
" "	7 "	36-40	5- 6	3.00	35.00	
" "	8 "	48-50	5- 7	4.00	48.00	
" Forsteriana	4 "	18-20	2- 3	.50	3.60	
" "	5 "	20-24	3- 4	.75	7.20	
" "	6 "	28-30	3- 4	1.25	15.00	
" "	8 "	50-54	4- 6	4.00	48.00	
Latania Borbonica	3 "	12-14	1- 2	.15	1.50	10.00
" "	4 "	14-16	3- 4	.25	3.00	25.00
" "	5 "	18-20	4- 5	.50	5.00	40.00
" "	6 "	18-20	5- 6	.75	9.00	
" "	7 "	23-25	6- 7	1 00	12.00	
" "	8 "	30-36	6- 8	2.50	30.00	
" "	10 "	36-40	8-12	5.00	60.00	

PALMS.

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
Phœnix Reclinata	5 inch	18-20	4- 5	.50	5.00	
" "	6 "	22-24	4- 5	.75	9.00	
" "	7 "	26-30	5- 6	1.00	12.00	
" Canariensis	5 "	18-20	4- 5	.50	5.00	
" "	6 "	22-26	5- 6	.75	9.00	
" "	7 "	26-30	8-10	1.00	12.00	

FERNS.

Nephrolepis Exaltata, from 2-inch pots	per 100	$5.00
" " " 3 "	"	8.00
" " " 4 "	per doz.	1.50
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" " " 6 "	"	3.00

MISCELLANEOUS PLANTS.

Asparagus Plumosus Nanus, from 3-inch pots	per 100	$8.00
Cyperus Alternifolius, from 4-inch pots	per doz.	1.00
" " " 5 "	"	1.50
" " " 7-inch pots, bushy plants	"	4.00
Pandanus Utilis, 4-inch pots	"	3.00

Lycopodium Wreathing, in any quantity at 3 cents per yard up.

Order now. All orders from unknown parties must be accompanied by cash or acceptable references.

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Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL) _____,

Trustee.



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Single Case, - $ 4.50
Five Cases, - 20.00

PER CRATE

100-lbs. - - - $3.75
Per 100 yards, - 3.00
" 1000 " - - 25.00
Extra heavy, per 100 yards, - - 4.00

Palms===Ferns

We have the finest stock in the West. COLD WEATHER cuts no figure. We ship them at our Risk if shipped by Express. FIRST PRIZE VIOLETS at Chicago and Milwaukee Shows. We handle them exclusively. Standing orders booked now.

FINE CUT FLOWERS SHIPPED AT ALL TIMES.

Ellis & Pollworth

PALM GROWERS
COMMISSION FLORISTS

Milwaukee, Wisconsin

PROVIDENCE, R. I.

Farquhar Macrae cut some excellent chrysanthemums Thanksgiving week. Of the many whites he considers Mrs. Robt. Crawford the best for this season and intends growing it in place of Wanamaker, which is very unsatisfactory this year, almost the only variety showing disease. Western King is a good thing. A white sport from Pres. Smith is well thought of. It has a long neck like its parent but a good stem, with foliage similar to Mrs. Jerome Jones. It is a little later than that variety, which after its many successes this year, will doubtless be grown largely another season. Of late yellows, Maud Adams is considered the finest; a compact head on a grand stem and a bright color. There is a place for Mrs. E. Buettner. It is a curious bloom, but pleasing, solid and bright yellow.

Francis B. Hayes will be planted more largely when better known. It follows Maud Dean and when shaded it comes a beautiful deep pink. G. P. Rawson's "Thanksgiving" is represented by some trial plants. It is a noble bloom, a shell pink; looks very promising.

In carnations Flora Hill is pre-eminent. Alaska next. The never failing Lizzie McGowan still holds i's own. Eldorado is fine. Mrs. Fisher was sadly affected by the unfavorable spring weather and had to be entirely discarded for this year, the first time this variety has failed to do well here.

Roses both on benches and in solid beds are looking well, with promise of a heavy crop for Xmas. One house was changed from solid bed to bench to avoid the ravages of the hard-shelled bug. The change has had the desired effect. The grafting method will be adopted to some extent next season.

At the R. I. Greenhouses Alex. Miller is congratulating himself upon the disappearance of the early 'mums which at this time crowd out all else. The space is being utilized for lilies. His roses are in fine shape and a good holiday crop can be banked upon. Carnations are first-class; with the houses built directly opposite to the popular idea and assuredly the correct one, it is surprising such returns are shown. W. M.

Special clearing sale of wire work at Kennicott Bros. Co., Chicago.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100; $20 per 1,0 0 Send for samples...
Cash with the order.
FRED. BOERNER, Cape May City, N. J.

Mayor Pingree Carnation.

AN UNDOUBTED SUCCESS.

THIS MEANS THAT WE HAVE OTHER GOOD SEEDLINGS.

Our Next Introduction...

Will make its debut at the meeting of the American Carnation Society in Chicago next February.

Look for it. And there are some others in sight.

JOHN BREITMEYER & SONS,

Gratiot and Miami Aves. DETROIT, MICH.

Carnations

New and Standard Sorts

New Rose

MRS. ROBERT GARRETT
HYBRID TEA.
Rich, soft pink. Best Introduction of Recent Years

Orders booked now.
Delivery March 15th, 1898.

Correspondence Solicited

H. WEBER & SONS
Oakland, Maryland

Carnations...

All the New and Standard varieties at the Right Prices
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GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

THE NEW WHITE CARNATION...

"EVELINA"

has had many visitors who were delighted with her presence, and were so well pleased at her cheerful disposition and behavior that a second audience was requested.

She takes this opportunity of extending a most hearty invitation to all interested in her species to call upon her while in her city, and will be pleased to return the call at an early date, whenever an invitation is extended.

INTRODUCTION.

Is a pure white, of large size, good form and substance. An extraordinary strong Calyx, is fragrant, and borne on long stiff stems that always carry the bloom erect. It is a free, early, and continuous bloomer, is of good habit; a strong, free and healthy grower; last year quite a few plants produced from 30 to 50 flowers by the first of January. She won the Ward cup for best Commercial White at the Cincinnati meeting of the American Carnation Society; also a certificate of merit at the Indianapolis and St. Louis Chrysanthemum shows.

Have already booked orders for over 7,000 for Cincinnati alone, which proves the popularity of this sterling variety. You will make no mistake in giv ng it a trial. Orders filled strictly in rotation. Price: Strong well rooted cuttings, $10.00 per 100; $45.00 per 500; $80.00 per 1,000. Cash, or satisfactory reference, please.

R. WITTERSTAETTER,

SEDAMSVILLE, OHIO.

NEW CARNATION, **"Empress"**

The largest bright-rich Crimson yet introduced. Price, **$10.00 per 100.**

WM. SWAYNE,
Box 226. Kennett Square, Penn.

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STOCK OFFERED AT A BIG SACRIFICE
IN ORDER TO CLOSE OUT SURPLUS.

A Bargain in Finest Named Tulips.

We offer, as long as unsold, finest named varieties at the price of common mixtures. Will supply the following sorts at only **$4.50 per 1,000,** viz.:

Arms of Leiden, Bizard Verdict, Cardinal's Hat,
Couleur Ponceau, Crimson King, L'Immaculee,
Duc Von Thol, Scarlet, Pax Alba, Duchesse de Parma,
Blanc Borde Pourpre, Gloria Solis, Queen Victoria,
Eleonora, La Reine. Psony Red, Titian.

The following sorts at **$9.00 per 1,000,** viz.:

Chrysolora, Rosamundi Huykman.

HYACINTHS—Miniature or Dutch Romans, single and double, finest named sorts, our selection, about equal proportion of dark red, rose, white, light and dark blue, only **$10.00 per 1,000.** Regular price $12.00.

GLADIOLUS—Colvilli Alba, "The Bride." $5.00 per 1,000
Regular price $6.00.

NARCISSUS—Von Sion, extra selected mammoth bulbs or top roots. **$17.50 per 1,000.** Regular price $19.00.

	Per 1,000.	Reg. Pr.
Princeps and Trumpet Major	**$10.00**	$12.00
Alba Plena Odorata, Incomparable fl. pl., Incomparable Stella and Campernelle Jonquil	**5.00**	6.00
Poeticus	**3.00**	3.50
Orange Phœnix	**15.00**	16.50

A Fine Lot of SPIRÆA for Easter Forcing. Case lots of 250 clumps:

Spirea Japonica	**$ 9.00**	per case.
Astilboides Floribunda	**12.00**	" "
Compacta Multiflora	**15.00**	" "

WE ARE OFFERING AN EXCEEDINGLY FINE LOT OF LARGE SIZE, BUSHY

Areca Lutescens

IN THE VERY BEST POSSIBLE SHAPE.....

THESE plants are fine for decorative purposes. There is nothing better. On account of wishing to give our stock more room than is now possible, we are offering a limited number of these beautiful plants at very low prices. Anyone who has use for plants for decorative purposes will find these Arecas exceptionally good value and very satisfactory both in regard to quality and price.

FINE PLANTS, EXTRA BUSHY:

8-inch pots, 3 to 3½ feet high	$3.00
9-inch pots, 3½ to 4 feet high	4.00
10-inch pots, 4 to 5 feet high	5.00

ALSO A FINE LOT OF SMALLER PLANTS:

6-inch pots, 2 feet high	$1.00
6-inch pots, 2½ feet high	1.50

TERMS—To customers of approved credit, net 60 days, OR FOR CASH ACCOMPANYING ORDER, A FURTHER DISCOUNT OF 10 PER CENT. FROM THESE SPECIAL RATES, which will make many of these items less than cost. Can offer at this sacrifice only because it is late in the season and in order to close out stock. Speak quick for what you want, as stocks are going rapidly.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, == New York.



We offer this season two new Carnations:

WHITE CLOUD—white. Seedling from Daybreak.
GOLD NUGGET—yellow.

We are well prepared to furnish rooted cuttings of all the leading novelties of 1897 introduction and also the leading standard varieties from our own grown stock.

We also have to offer two new Chrysanthemums, good commercial varieties:

MRS. C. H. PEIRCE—yellow.
SNOW QUEEN—white.

We are Western Agents for the Cottage Gardens, Queens, N. Y.

SEND FOR DESCRIPTIVE PRICE LIST, READY JAN. 1st, 1898.

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Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL) _____,
Trustee.



HERR'S CARNATIONS

Guaranteed Stock. Facilities to propagate an immense quantity and the stock to produce them without taking any inferior cuttings. Every order, large or small, sent with a guarantee that the cuttings must be satisfactory or they can be returned at my expense and the money refunded.

Experiences with Old and New.

I will issue three of these during the season and endeavor to make them of special interest to all who grow carnations. Please mail me your address on a postal card and they will be sent you whether you ever buy of me or not.

ALBERT M. HERR,

Lancaster, Pennsylvania.

Pansies and Smilax....

For Geraniums and other soft-wooded stock send for list to D. K. HERR, Lancaster, Pa. They can be shipped in same box with Carnations if desired.

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CUT STRINGS, 10 TO 12 FEET LONG, 50 CTS. EACH.

Shipped to any part of the Country.

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Fine Plants, well set with buds.

10 to 12 inch crowns, per hundred.....$38.00
12 to 13 inch crowns, per hundred..... 50.00
13 to 15 inch crowns, per hundred..... 60.00

Araucaria Excelsa.

Excellent Plants in fine condition.

10 to 12 inches high, per dozen.....$12.00
12 to 15 inches high, per dozen..... 15.00
15 to 18 inches high, per dozen..... 18.00

Asparagus Plumosa.

Strong, 2½ in. pot plants, per hundred.....$ 7.00
Per thousand..... 60.00

Cyperus Alternifolius.

2½ inch pots, per hundred $2 50

Crimson Rambler Rose.

Strong two-year plants, with several shoots, 3 to 5 feet long. This Rose forces readily and makes splendid specimens for Easter sales.
Per hundred $12.00

Spirea.

Compacta Multiflora, per hundred.. .....$5.00
Astilboides Floribunda, per hundred 5.50

Lily of the Valley.

Strong Berlin Pips. Per thousand.....$10.50
Per case of 2500..... 25.00

A few thousand Lily Longiflorum, 5 to 7 and 7 to 9, at $20.00 and $35.00 per thousand to close out.

Also immense stocks of

Fruit and Ornamental Trees, Shrubs, Roses, Bulbs, Plants, Vines...

In fact about everything in the nursery line from Seeds to Park Trees at low rates.

Correspondence solicited.
Catalogues Free.

THE STORRS & HARRISON CO.

PAINESVILLE, OHIO.

Carnations

Cottage Garden Collection of New Seedlings for 1898.

NEW YORK: Scott x Daybreak. Bright cerise pink resembling Bridesmaid. Strong vigorous habit. One of the best and most constant bloomers we have thus far grown. Magnificent color under gas or electric light. Awarded first prize wherever shown. Certificated.

MRS. JAMES DEAN: Scott x Storm King. Clear, silvery pink, strong vigorous habit, large bloom on a long, wiry stem, free and constant bloomer. The ideal light pink. Winner of first prize and certificate of merit at Philadelphia for the best American seedling.

WHITE CLOUD: (Dorner) Wood x Daybreak. Pure white, strong vigorous habit, extra long and strong stem, large fragrant flower, early and abundant bloomer. Winner of first prize wherever exhibited. A grand commercial white. Certificated.

JOHN YOUNG: Scott x Storm King. Very double snow white flower deeply fringed, strong clove fragrance, on long stiff stem. Strong, vigorous habit, free constant bloomer, exceptionally healthy plant. The nearest to Scott in habit of any white that we have thus far grown. A first-class commercial carnation.

BON TON: (Raised by F. A. Blake, Rochdale, Mass.) Bright, warm scarlet, exceptionally strong habit resembling Portia. Large, deeply fringed very fragrant flower on a very stiff stem. With us, plant does not require staking. Certificated.

GOLD NUGGET: (Dorner) Clear, deep yellow slightly marked with red. Good sized flower on a very stiff stem. Habit vigorous and free. An early and continuous bloomer. The best yellow that we have thus far grown. Winner of first prize wherever exhibited. Certificated.

Prices for the above carnations, $2.00 per dozen, $10.00 per 100, $75.00 per 1,000.

Also Mrs. Geo. M. Bradt, Flora Hill, Victor, Harrison's White, Mayor Pingree, C. A. Dana and other standard varieties, at reasonable prices.

KENTIA BELMOREANA:
6-inch pots 24 inches high, $1.50 to $2.00 each.
5-inch pots 18 to 20 inches high, 75 cents each.
4-inch pots 12 to 16 inches high, $6.00 per doz.

BOSTON FERN: Surplus.
8-inch Pans for growing on, $6.00 per dozen.
6-inch Pots for growing on, $3.00 per dozen.
Stock plants from bench ready for 6-inch pots, $1.50 per dozen.
2½-inch stock, $5.00 per 100; $40 per 1,000.

DICKSONIA ANTARCTICA strong 3-inch, $1.00 per dozen, $8.00 per 100.

ASPEDIUM TENSIMENSE strong 3-inch, $1.00 per dozen, $8.00 per 100. (Two hardiest ferns for Jardiniere).

GERANIUMS: Strong 2-inch stock.

ALPHONSE RICCARD—The best scarlet bedder, Mme. de la Roux and Acteon, $5.00 per 100, $40.00 per 1,000.

Also, Double General Grant, W. A. Chalfant, Marvel, Rev. Atkinson, Mrs. A. Blanc, Beaute Poitevine, Madonna, La Favorite, Gettysburg, Glori de France, at $3.00 per 100, $25.00 per 1,000. S. A. Nutt, Mme. Buchner, Pres. Cleveland, Pres. Duboise, Madame Jaulin, Madame Bruant, at $3.00 per 100.

IVY GERANIUMS: P. Crozy, Incomparable, Gen. Championet, Jean d'Arc, Souv. de Chas. Turner and other sorts at $3.00 per 100.

The Cottage Gardens...

C. W. WARD,
Manager.

QUEENS, L. I., N.Y.

PINK CUPID SWEET PEA.

This gives promise of being one of the best sweet pea novelties that we have been favored with. The sweet pea has of late years taken a very prominent place in the florists' stock of flowers, and its popularity seems to steadily increase with the people. But as a pot plant the sweet pea has undoubtedly a useful future before it now that we have a race of dwarf growing sorts. A well-bloomed pot of sweet peas is bound to appeal to all lovers of this flower. We believe Mr. Burpee has an excellent thing in his new Pink Cupid.

HOLLY AND GREENS.

Of holly there seems a likelihood of a shortage this year, but of bouquet green the supply is abundant. At the low prices at which the latter is quoted it will undoubtedly pay retailers to push it as freely as they can. The quality seems generally excellent and it ought to give satisfaction wherever used. It would probably prove a good investment for every retailer with any considerable trade to issue to his customers a printed announcement stating that the supply of bouquet green is generous this year and that prices are such that all can afford to use it freely in their Christmas decorations.

JADOO FIBRE.

This substitute for soil in growing plants seems to be meeting with much favor with those who have given it a trial. Many of the prize winning plants and flowers at the recent chrysanthemum show of the Pennsylvania Horticultural Society, Philadelphia, were grown in Jadoo fibre, and the superb crotons shown at the Providence convention by Robert Craig, Philadelphia, were also grown in Jadoo. Those crotons will linger long in the memory of all who saw them. Perfection seems the only word to apply to both growth and coloring. Mr. Craig attributed his success to the Jadoo fibre in which they were grown. It is certainly worthy of a thorough trial by every one who grows plants and flowers.

READY NOW. Japan. Lily. Bulbs
IN THIRTY VARIETIES
To close out surplus stock we offer for IMMEDIATE ACCEPTANCE

PALMS..... RHAPIS FLABELLIFORMIS
1-3 feet high, per 10 shoots, $2.50; per 100 shoots, $20.00. Extra fine for HOLIDAY TRADE.

SURPLUS.. LILIUM LONGIFLORUM
5 to 7-inch. Extra fine bulbs, per 1000, $12.00, net. ORDER NOW.

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Fine Pot Plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.
NO RUST OR MILDEW. PACKED LIGHT AND SATISFACTION GUARANTEED.
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GET OUR PRICES ON
Herbaceous Pæonies, CLEMATIS, HARDY SHRUBS, FRUIT TREES, ROSES, SMALL FRUITS
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Specimens for Pots and Winter Decorations.
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"

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The American Bulb Company does an Exclusively Wholesale Business with Florists.

Devoting all our time and attention to the growing, importing and supplying our customers in the trade with their requirements, we are, in consequence, enabled to furnish a high-grade article promptly upon receipt of order or early in season.

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Write Us when in want of anything in **Bulbs, Palms, Ferns and Flower Seeds** (our specialties) or anything in the line of Horticultural Stock. If one of our traveling salesmen is in your vicinity we will have him call upon you, otherwise we will make you a special low offer by mail. Do not place your order for Begonias, Gloxinias, Gladiolus, Caladiums, Dahlias, Cannas, etc., and Florists' Flower Seeds before writing us for a special estimate. Send list of requirements.

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FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

CHRYSANTHEMUMS

We Are.....

Headquarters

. . . . . for all the best varieties of Chrysanthemums. All the new sorts of 1897-98. Full information given in our January list of all the newer sorts and how they have ranked compared with standard sorts; also heights, bud to take and time of blooming, as far as possible.

Ready Now--

Stock Plants of the two commercial early varieties.

LADY FITZWYGRAM, the earliest, finest and most graceful white variety, $8.00 per hundred; Sept. 22; use crown bud; height 2½ ft. It is earlier and sells better than *Bergmann.*

GOLDEN TROPHY, follows *Marion Henderson;* height 2½ ft.; elegant foliage; very large compact globular yellow flower. $15 per hundred.

Also stock plants of 12 of the finest introductions of the past spring—American Novelties, for $2.00.

Carnations

FLORA HILL. The finest white to date, orders now being booked for rooted cuttings which will be delivered in rotation, beginning in January. We have an immense stock in elegant condition. $5.00 per hundred, $40 per thousand. See our January list for other varieties and novelties.

Rose

PREST. CARNOT. A limited number of strong 2-year old plants at $10 per hundred. The grandest market rose extant; every shoot brings a perfect bud.

FICUS BELGICA, (the long-leaved Rubber). Perfect plants from top cuttings in 4-inch pots, $3 per dozen, $22.50 per hundred. This stock is in elegant condition.

Palms (Must have the room)

ARECA LUTESCENS. Three plants in 6-inch pots, in perfect condition, 20 to 24 in. high, $40 per hundred.

LATANIA BORBONICA, 6-inch pots, nicely furnished, just what you want for the holiday trade. First size, $50 per hundred; second size, $40 per hundred.

Asparagus

SPRENGERII. Invaluable to every florist. 2½-inch, $6 per hundred.

PLUMOSUS. 2½-inch, $6 per hundred.

Our **January List** will describe and price some very pleasant surprises in the way of novelties for we have never had so many fine new things to offer—among them some extraordinary departures in **Geraniums** (gathered from all the best foreign growers). **Cannas,** Italian, French and American. Two new varieties of the Giant Race of **Heliotropes.** A few good new **Roses.** A new **Russellia. Paris Daisy.** A set of **Phloxes,** etc., etc.

SEND FOR OUR LIST.

E. G. HILL & CO., Richmond, Ind.

DREER'S SPECIAL HOLIDAY OFFER.



Our stock of Palms has never before been so complete at this season of the year as now, forty of our largest houses being filled with stock, from little seedlings up to specimens 10 ft. high. Our stock of Kentias, that best of all Palms, is especially fine. Of these we are carrying the largest stock and best assortment of sizes to be found in any one establishment in the world.

KENTIA BELMOREANA.

2¼-inch pots,	3	leaves,	6 to 8	in. high	....	$ 2.00	per doz.	$15.00	per 100
3	" "	4 to 5	"	10 to 12	"	....	3.00	"	25.00	"
4	" "	5 to 6	"	15 to 18	"	....	6.00	"	50.00	"
5	" "	6	"	22 to 24	"	....	1.35	each		
6	" "	6	"	24 to 30	"	....	1.75	"		
6	" "	6	"	30	"	....	2.00	"		
7	" "	6 to 7	"	32 to 36	"	....	2.25	"		
8	" "	6 to 7	"	36	"	....	3.00	"		
8	" "	6 to 7	"	36 to 42	"	....	4.00	"		
8	" "	7	"	42 to 48	"	....	5.00	"		
9	" "	6 to 7	"	48 to 54	"	....	7.50	"		
10	" "	6 to 7	"	54	"	....	10.00	"		
12	" "	7 to 8	"	7 feet	"	....	35.00	"		
16	" tubs	8 to 9	"	9 "	"	....	75.00	"		

BUSHY MADE UP PLANTS.

6-inch pots,	24 to 28	inches high,	4	plants in a pot	.....	$ 1.50	each
7 " "	30	"	"	4	"	"	"	.....	3.50	"
9 " "	36	"	"	4	"	"	"	.....	5.00	"
9 " "	48	"	"	4	"	"	"	.....	10.00	"

KENTIA FORSTERIANA.

2¼-inch pots,	2 to 3	leaves,	6	in. high	....	$ 1.50	per doz.	$12.00	per 100
3 " "	3 to 4	"	12	"	....	2.50	"	20 00	"
4 " "	4 to 5	"	15 to 18	"	....	5.00	"	40.00	"
6 " "	6	"	30 to 36	"	....	1.50	each		
7 " "	6	"	36	"	....	2 00	"		
8 " "	6	"	42	"	....	3.50	"		
9 " "	6	"	48	"	....	6.00	"		
9 " "	6	"	52	"	....	7.50	"		
10 " "	6	"	60	"	....	10.00	"		
13 " tubs	7	"	6 feet	high	....	25.00	"		
12 " pots	7	"	6 "	"	....	35.00	"		
14 " tubs	7	"	7 to 8 "	"	....	35.00	"		
16 " tubs	7	"	10 "	"	....	75.00	"		

BUSHY MADE UP PLANTS.

8-inch pots,	3	plants in a pot,	36 to 42	inches	high	.....	$ 3.50	each
10 " "	4	"	"	5	feet	high	.....	10.00	"
12 " "	5	"	"	6	"	high	.....	25.00	"

ARECA LUTESCENS.

2-inch pots. $1.00 per doz., $6.00 per 100, $50.00 per 1000.									
3 "	pots,	2	plants in a pot,	12 to 15	in. high	....	$1.25	per doz.	$10.00	per 100
5 " "				20 to 24	"	....	6.00	"		
6 " "	very bushy			28 to 30	"	....	1.00	each		
7 " "	" "			32 to 36	"	....	1.50	"		
8 " "	" "			36 to 42	"	....	2.50	"		
8 " "	" "			42 to 48	"	....	3.00	"		
9 " "	heavy single plants			4 to 5	feet	....	5.00 to 6.00	each		

LATANIA BORBONICA.

2-inch pots,	3 to 4	leaves	.....	60 cts.	per doz.,	$ 4.00	per 100,	$35.00	per 1000
3 " "	4 to 5	"	.....	$1.25	"	10.00	"	80.00	"
4 " "	4 to 5	"	.....	3.00	"	25.00	"		
5 " "	5 to 6	"	18 to 20	in. high	.....	$ 5.00	per doz		
6 " "	5 to 6	"	18 to 24	"	.....	9.00	"		
7 " "	6	"	24	"	.....	12.00	"		
7 " "	6 to 7	"	26 to 30	"	.....	15.00	"		
8 " "	7	"	36	"	.....	30.00	"		

COCOS WEDELIANA.

3-inch pots,	8 to 10	inches high	.....	$2.50	per doz.,	$20.00	per 100		
3 " "	10 to 12	"	"	.....	3.00	"	25.00	"	
4 " "	15	"	"	.....	5.00	"	40.00	"	
8 " "	36 to 42	"	"	.....	6.00	each			

PHŒNIX CANARIENSIS.

8-inch pots,	30	inches high,	bushy	.....	$1.75	each
9 " "	36	"	"	"	.....	2.50	"
9 " "	36 to 42	"	"	"	.....	4.00	"

LAURUS NOBILIS.—BAYS.

Standard Shaped.

9-inch pots,	5 ft.	high,	crowns	15	inches	in diameter	.....	$ 2.50	each
In tubs,	6 "	"	"	3	ft.	"	"	.....	10.00	"
"	6½ "	"	"	3½	ft.	"	"	.....	12.00	"
"	6½ "	"	"	3¾	ft.	"	"	.....	15.00	"
"	7 "	"	"	5	ft.	"	"	.....	40.00	"

PYRAMIDAL SHAPED.

In tubs,	7 ft.	high,	32	inches	in diameter	at base	.....	$10.00	each
"	8 "	"	36	"	"	"	"	.....	12.00	"
"	8 "	"	40	"	"	"	"	.....	15.00	"

TAPERING OR CONICAL SHAPED.

9 ft.	high,	36	in.	diameter	at base,	rounded	top	12	in. diameter	$25.00	each
8 "	"	54	"	"	"	"	"	30	" "	40.00	"

PYRAMIDAL SHAPED BOX.

32 to 36 inches high, 15 inches diameter at base ..... $2.50 each

STANDARD SHAPED BOX.

26 to 28 inches high with crowns 12 inches in diameter ..... $1.00 each

ARAUCARIA EXCELSA.

4-inch pots,	6 to 8	inches high,	2 to 3	tiers	.....	60 cts.	each
5 " "	12 to 14	"	"	3	"	.....	$1.25	"
" "	24 to 30	"	"	5	"	.....	2.00	"

ARAUCARIA EXCELSA GLAUCA.

5-inch pots,	10	inches high,	3	tiers	.....	$1.25	each
7 " "	18 to 20	"	"	4	"	.....	2.50	"

ARAUCARIA ROBUSTA COMPACTA.

It is seldom that we are in a position to offer this beautiful dwarf variety in quantity, the stock we offer is very fine.

5-inch pots,	2	tiers,	8	inches	high,	.....	$1.35	each
6 " "	3	"	10	"	"	.....	1.50	"

ADIANTUM FARLEYENSE.

3-inch pots,	fine plants	.....	$ 3.00	per doz.,	$20.00	per 100
4 " "	" "	.....	5.00	"	40.00	"
5 " "	" "	.....	9.00	"	70.00	"
6 " "	" "	.....	12.00	"	90.00	"

CIBOTIUM SCHIEDEI.

The most graceful and hardiest of all the Tree-Ferns. A variety that will stand the same treatment as a Palm and a most decorative plant in every way. We offer beautiful specimens, 6-inch pots, $1.50 each; 7-inch pots, $2.50 each; 8-inch pots $3.50 each.

DRACÆNA BRUANTI.

A variety that is but little known, dark green foliage, graceful and as tough as a Rubber-plant; just the thing for retailing at Xmas.

4-inch pots,	10	inches high	.....	30	cents	each	$3.00	per doz
5 " "	18	" "	.....	50	"	"	5.00	"

For a full line Decorative Plants and General Florists' stock, see our QUARTERLY WHOLESALE LIST of September 1st. If you have no copy of this or of our SPECIAL DECEMBER LIST of NEW CROP FLOWER SEEDS, which have been mailed to every Florist in the country, a postal card will bring duplicates.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

NATHAN SMITH & SON'S



ARE UNRIVALED

Five of our Twelve Blooms in the International Contest at Chicago, which were awarded the capital prize, were varieties originating with us.

Our Collections of new varieties for 1898 will be few in number but great in quality. Descriptions and prices will be announced later.

Stock Plants we have in large variety and will be pleased to quote prices on receipt of list wanted.

NATHAN SMITH & SON, 167 W. Maumee St., ADRIAN, MICH.

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$1.00 **$1.00**

The Florists' Publishing Company, Chicago.

This Certifies that _____ of _____

_____, is entitled to the annual dividends on one-tenth of a share (par value of each share $10.00) of the stock of the FLORISTS' PUBLISHING COMPANY, of Chicago, Ill., that has been placed in my custody as Trustee, so long only as

_____ shall remain a paying subscriber to the FLORISTS' REVIEW.

This certificate is transferable only to _____ successor in business, and then only on application to the undersigned. Dividends will be made of net profits on the first day of January of each year.

Certificate holders are reminded that by confining their purchases to those who advertise in the FLORISTS' REVIEW (always mentioning the paper when writing) they will greatly enhance the earning power of their certificates.

Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL) _____,

Trustee.

THE NEW WHITE

Chrysanthemum Frank Hardy

THE GREATEST PRIZE WINNER OF THE SEASON.

Awarded 1st Prize, Boston, against all the whites. Awarded by the National Chrysanthemum Society, Points as below.
Certificate of Merit Chicago, and many other Certificates and Awards.

NEW YORK
95
POINTS

CHICAGO
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POINTS



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PHILADELPHIA
89
POINTS

DESCRIPTION—Incurved Japanese, white, flower of extraordinary depth, foliage up to the flower, stem very stiff and erect; midseason, good keeper and shipper. The ideal commercial and exhibition bloom.

Price 50c each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand.

Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

TORONTO.

The weather having turned decidedly colder, the cut-flower trade picked up quite a bit during the last week, and prices were considerably firmer. Chrysanthemums are still coming in apace, some very fine ones, too. Some growers will have some right up to Christmas, but their general popularity, and the general supply, too, will be on the wane after this week, and roses and carnations will again take the precedence. Thanksgiving day was about as disagreeable a day as could be imagined—the weather turned mild, and it rained the whole day, but there was a big rush on cut flowers of all kinds, and everything in sight was cleaned out. I think many people must have missed the chrysanthemum show on that day—five or six years of it had got them into the habit of going. Why should it be so late? It is not a fixture in this country. A great effort should be made to get the government to set the date at least two weeks earlier.

I mentioned in another place that a "Canadian Horticultural Association" had been formed during the late show somewhat on the lines of the S. A. F. A. O. H. It does not take quite so many letters to designate the new society, but it is hoped and believed that it will do as much good to the trade of this country as the old society did during the first few years of its existence. The financial condition of the majority of the trade here has hitherto made it next to an impossibility for them to attend the conventions of the S. A. F. and at the same time hold their end up as they would wish to do. The C. H. A. has been formed strictly for business, and in whatever place it meets it will not expect to have large amounts of money spent on its reception and entertainment, nor will its individual members be expected to spend more than their railway fare and hotel expenses. Though, of course, if any of them feel inclined to "paint the town red" or have a "hot time" it is nobody's business but their own. There is a great deal for an association of this kind to do which if done faithfully and conscientiously will result in much good.

A trade paper will probably be carried on in connection with the association, in a small way at first, but increasing as it gathers weight. Great efforts will be made to make it a *national* affair, not merely local or even provincial. Mr. Gammage, of London, and Mr. McLean, of St. Thomas, the president and secretary pro tem., will be given every encouragement from this part of the country. I may also say, I hope without being too premature, that in order that the *whole* trade, big and little, may be enabled to join, an annual fee of $2.00 was decided on, life members $25.00. Whether this will be sufficiently high to carry on the work expected, remains to be proved; with careful management I believe it will. E.

EVERY FLORIST OUGHT TO
INSURE HIS GLASS AGAINST HAIL
FOR PARTICULARS ADDRESS
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

SIMMONS'

NEW LIGHT COLORED
CARNATION, MRS. S. A. NORTHWAY.

Orders booked now and filled in rotation. We shall commence to ship soon. Price, $10.00 per 100; $75.00 per 1,000.

GERANIUMS.

Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier. 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1,000, cash with order.
Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00, unnamed, $20.00, per 1,000. Rooted cuttings, $12.50 per 1,000, cash with order.

FUCHSIAS.

A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

Our Price List describes many other fine plants. Send for it.

W. P. Simmons & Co.,
GENEVA, OHIO.

50000 --ROSES-- 50000

SEND IN YOUR LISTS....ADDRESS

NANZ & NEUNER, - Louisville, Kentucky.

...AZALEA INDICA...

WE have a large assortment of all the leading varieties which we make this special offer for cash: 10 to 12-in. crowns, full of buds, $3.50 per doz. 13 to 15-in. crowns, 50 cts. each; $5.50 per doz.

WHITTON & SONS, Wholesale Florists,
City and Green Streets. UTICA, NEW YORK.

GOLD FISH

...Fine Healthy Stock...

Medium to large size, $10.00 per 100. Cash with order. No charge for shipping cans.
Gold Fish can be shipped by Express thousands of miles with safety and are a profitable and attractive stock to handle.

Full Line of Aquaria Supplies.

Keenan's Seed Store
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If you buy flowers and supplies of Kennicott Bros. Co., Chicago, you will get what you want and at the right prices.

CELERY PLANTS

Grown on Contract a Specialty.

....CORRESPONDENCE SOLICITED

C. M. CROSSMAN
WOLCOTTVILLE, IND.

FIRST-CLASS STOCK!!

NONE BETTER ON THE MARKET.

Rooted cuttings of Geraniums, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Carnations, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Forget-Me-Not and Begonia Argentea Guttata, $2.00 per 100. Cyclamen Giganteum, 3-in., $5.00 per 100. Cut blooms of Carnations, $2.00 per 100. Write for quotations on Young Roses, Geraniums, Coleus, Alternantheras, and any bedding stock you may need for spring delivery.
PRICES WILL SURPRISE YOU.

CEO. M. EMMANS, Newton, N. J.

Holly and Green

It is said there is no trade so sure, so much to be depended on under all conditions as the "Holiday Trade." The demand is sure to be with us again this season and we believe to an increased volume.

In the line of CHRISTMAS DECORATIONS we have prepared for it with an ample stock of

Green in Bulk, Evergreen Wreathing, Holly, Holly Wreaths, Mistletoe, etc., etc.

Does QUALITY interest you in these goods? It should. You will find the BEST QUALITY is that which sells, and in buying, this fact must be constantly considered.

We claim to give you the best the season produces, and are we not in position to do this? The large quantities we handle each year acquaint us with the right sources of supply, enable us to give extra labor and attention to inspection and sorting, the unsurpassed facilities we possess for storing and handling, together with our experience and knowledge of the trade wants, all combine to put us in position to offer you the very best service in this line.

Why take risks? Barnard's brand in these goods signifies the standard of excellence. We will not disappoint you either in quality or prompt service.

Bouquet Green in Bulk

It is necessary to seek new localities for supplies of this article if one is to get the dark green color and bushy growth demanded by the florist trade. Our pickers each season must go farther and farther into the deep woods and swamps which have not been cleared and where the sun does not injure the color. Freights are more from these points but quantity used gives us advantage of carload rates and we can offer this better article at very reasonable and competing prices.

Please write for prices, stating QUANTITY WANTED, and lowest possible quotations will be promptly given.

EVERGREEN WREATHING.

For the convenience of those who prefer to purchase Green ready for immediate use we manufacture large quantities of Wreathing. It is made of selected Green, wire wound, tied in coils of twenty yards each; can be cut to any length without unrolling.

Medium or standard grade, per 100 yds., $ 2.75
" " " " " 1,000 " 25.00

For larger quantities special figures will be given, also for different grades, Light and Heavy.

EVERGREEN WREATHS.

These will be found very salable, and the low price at which they are offered affords a good margin of profit. They are made on rattan, wound on both sides with bright, fresh Green, trimmed with colored Immortelles or Cape Flowers.

Per doz ..... $ 1.20
Per 100..... 7.50
Per 1,000..... 70.00

HOLLY--Choicest Eastern Stock.

Well berried, selected grade, is not in large supply this year. We have contracted from one of the most careful packers and are assured of a good quantity of fine Holly. *Secure your supply early.*

Full-sized cases of 16 cu. ft., per case, $4.75
3 cases for.. ..... $13.00

HOLLY WREATHS.

Made of strictly first-class well berried Holly, wound on 12-inch rattan rings.

Per doz..... $ 1.50
Per 100..... 11.50
Per 1,000..... 100.00

MISTLETOE--Ready Dec. 18th.

Very choice, well berried.

Per pound..... 20c
10 pounds..... $1.80
Per barrel, about 25 lbs..... 4.00

SELECTED CHRISTMAS TREES.

Please do not confound these with the common stock, *cut* to *count* only, which annually flood the market. Our Trees are selected for form, quality, and appearance, under the supervision of our own agent. Write for prices, stating size and number wanted, and we will quote.

SUNDRIES.

IMMORTELLES.—All colors.
Per bunch..... 25c
Per dozen bunches..... $2.50
CAPE FLOWERS.—New crop,
All colors, per 1,000 (1 lb.)..... $1.50
White, per 1,000 (1 lb.)..... 1.00

W. W. BARNARD & CO.,

186 East Kinzie Street, CHICAGO.



Must have room!
Must have money!

3 plants in 7-inch pot, 32 to 36 in. high, bushy.....$1.50
3 plants in 8-inch pot, 36 to 42 in. high, very bushy.... 2.00
3 plants in 8-inch pot, 42 to 48 in. high, very bushy.... 2.50
1 plant in 10-inch pot, 4 to 5 ft. high, very fine..... 5.00
Grown cool and well hardened.

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Areca Lutescens Cheap

The Cheapest Lot of Palms...

ever offered to the trade.

Full line of
Kentia Belmoreana,
Latania Borbonica,
and.....
Cocos Weddeliana.

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General.....
Introduction

Page groups of these portraits will be published from time to time until all have been presented. Photos may be sent in any time, the only condition being that you be a subscriber to the FLORISTS' REVIEW. Address

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One Hundred Thousand Hardy Low Budded Roses

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Madame Gabriel Luizet,
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Margaret Dickson,
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Perle des Blanches,
Prince Camille de Rohan,
Victor Verdier,
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Persian Yellow,

MOSS ROSES, Red and White,

RUGOSA ROSES, Red and White.

Price per 100, F. O. B. Cars, New York, $10; per 1,000, $90; in cases of 1,600 to 1,800, per 1,000, $85; my selection, per 1,000, $80.

SPECIAL PRICES on LARGE ORDERS, now in stock at New York, a few Cases in Good Assortments.

Tree or Standard Roses in best varieties, per 100, $25; per 1,000, price on application.

EXTRA HARDY RHODODENDRONS, grafted on **Parson's Hardy American Catawbiense Stock.**

Standard and Dwarf Japan Snowballs and **Hydrangea Paniculata Grandiflora.**

Hardy Azaleas, Mollis and Ghent in best named varieties—fine budded Plants.

Strong Rooted Clematis, THE BEST IN THE WORLD, including **Jackmanni, Hybrid Sieboldia, Henry's,** etc.

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Hyacinths.

Dutch Named, per 100,	$3.50 to	$4.50
White Roman, "	1.00	
Blue " "	1.00	
Ornithogalum, "	1.50	

Tulips (Single Forcing).

	Per 100.	1,000.
Canary Bird	$1.25	$11.00
Cottage Maid	1.50	13.50
Pottebakker Yellow	1.50	12.00
Proserpine	1.50	14.00
Rose Grisdelin	1.50	14.00
Salvator Rosa	2.50	
Thomas Moore	1.25	10.00
White Swan	.70	6.00
Yellow Prince	1.25	10.00
" " Extra	1.50	12.00

Bedding Tulips.

Jagt van Delft	$0.65	$5.00
Lac van Rhyn	.50	4.00

Bedding Tulips.

	Per 100.	1,000.
Pæony, gold	.85	7.00
" red	.60	4.00
Single Mixed	.50	3.50
Double "	.60	4.50

Tulips (S. Early).

Duc van Tholl	$1.00	$10.00
Red and Yellow	.60	4.00
Gold Striped	.60	4.00
Yellow	1.50	
White	1.25	
Double Yellow Rose	.90	
Darwin	.75	
Parrot's Mixed	.70	
" Named	1.00	
" Crimson	2.00	

Narcissus.

Double Mixed	$0.75	
" Albus Pl. Od	.60	
" Orange Phœnix	1.75	
" Incomparabilis.	.65	

Narcissus.

	Per 100.	1,000.
Obvallarius	3.00	
Ajax Princeps	1.00	
Polyanthus	1.00	
" Grand Monarch	2.00	
Single Mixed	.75	
" von Sion	1.00	
Paper White	1.00	
Chinese in Basket—		
30 bulbs	1.50	
120 "	4.80	

Crocus.

Yellow	$0.40	$ 3.00
Cloth of Gold	.50	3.50

Miscellaneous.

CYCLAMEN PERSICUM GIGANTEUM	$9.00	
GLADIOLUS—The Bride	.75	5.00
FINE MIXTURE—		
For forcing	1.25	10.00
IRIS KAEMPFERI	2.50	

	Per 100.	1,000.
LILY OF THE VALLEY—		
Joosten's Select Berlin Pips	1.25	11.00
per case 2,500, $26.00.		
Hamburg	1.25	
LILIUM LONGIFLORIUM—		
5-7, per case 500, $ 8.50.		
7-9, " 300, 10.00.		
OXALIS, BERMUDA	.85	6.50
SPIRÆA JAPONICA, fine clumps	5.00	
" Astilboides	6.00	
" Jap. Compacta	6.50	

TUBEROSES (December to March delivery)— Per bbl.

3-4 inch per bbl. of 1,500	$5.00
4-6 " 1,000, $7.00.	
4½-6 " 1,000, 8.00.	

BEST ENGLISH MUSHROOM SPAWN— Per 100 lbs.

Per 100 lbs.	$ 7.50
" 1,000 lbs	70.00

CHRISTMAS HOLLY AND GREEN LYCOPODIUM

FINE DELAWARE HOLLY, RED BERRIES and GREEN FOLIAGE in cases of 16 cubic feet. Per case, $5.00; per 2 cases, $9.00; per 5 cases, $22.00; per 10 cases, $40.00. **Lycopodium Bouquet Green** put up in crates of about 100 lbs. Per 100 lbs., $6.00; per 1,000 lbs., *f. o. b. cars, Chicago, $35.00; per Ton, 2,000 lbs., f. o. b., Chicago, $60.00.*

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IF IN NEED PLACE YOUR ORDERS AT ONCE. IMMEDIATELY, IF YOU WANT TO HAVE THE GOODS IN TIME FOR THE CHRISTMAS TRADE

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Special Low Offer of Surplus Bulbs.

DUTCH HYACINTHS STRICTLY FIRST SIZE NAMED.

$30.00 per M $3.25 per C

Single White: 100 Tulia, 200 Voltaire, 100 Vesta, 150 Cleopatra.
" Blue: 140 Marie, 55 Leonidas, 130 William I, 135 Regulus.
" " 25 Uncle Tom, 40 Priestley, 125 Baron Von Thuyll.
" " 50 Mimosa, 100 La Peyrouse, 50 Porcelain Sceptre.
" " 50 Pinieman.
" Red and Pink: 35 Queen of Hyacinths, 225 Robt. Steiger.
" " " 50 Fabiola, 30 Cosmos, 100 Baron Von Thuyll.
" " " 475 Maria Cornelia, 40 Homerus, 25 L'Adorable.
" " " 35 Madame Hodson.
Double White: 35 Achanis Christina, 50 Anna Bianca, 40 Flevo.
" " 20 Grand Vainquer, 50 Anna Maria, 50 Triomphe Blondine.
" Red and Pink: 40 Prince of Orange, 75 Princess Alexandre.
" " " 50 Princess Royal, 20 Duke of Wellington.
" " " 50 Noble Par Merite, 50 L'Esperance.
" Blue: 50 Blocksberg, 25 Parmenia, 50 Murillo, 50 Lord Raglan.
" " 20 Chas. Dickens, 20 Carl, Crown Prince of Sweden.
Mixed Single, Separate Colors: 500 Blush White, 800 Red and Rose, $21.50 per M $2 50 per C
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Dutch Romans: Single, splendid for pots, beds or cutting, $8.00 per M $1.00 per C
" " 1000 White, 1000 Blue, 200 Light Blue, 200 Pink, 500 Yellow.
" " 3600 Mixed all colors, $6.00 per M 75c per C
1000 French Romans, White, 12-15 centimeters, $20.00 per M $2.25 per C

Single Tulips
1500 Rosa Mundi, $8 00 per M $1 00 per C 850 Duchess de Parma, $5.50 per M 70c per C.
150 Pottebakker (White), $1.30 per C 700 Joost Von Vondel, $9.00 per M
Double Tulips $1.00 per C
1000 Rex Rubrorum, $13.50 per M $1 50 per C
500 Duc Van Thol (Red and Yellow), $4 50 per M 60c per C
6000 Narcissus, Double Von Sion, selected, 1¼ in. diameter, $10.00 per M $1.25 per C
8000 " " Orange Phœnix, $12.00 per M $1.50 per C
2500 " " Incomparable, $4.50 per M 60c per C
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5000 Gladiolus The Bride, $4.50 per M 50c per C
2000 Spiraea astilboides floribunda, $45.00 per M $5.00 per C
50,000 Lily of the Valley, selected, Berlin (2500 in a case), $23.50, $10 per M
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25.000 " " 2nd grade " (cases of 3000), $20, $7 per M
Chinese Sacred Narcissus (Chinese Grown), 300 in a case, $10.00 per case.

Lilium longiflorum (Japan),	5- 7 in. bulbs,	500	"	8.50	"
" speciosum album,	7- 9 "	"	167	"	10.00	"
" " "	9-11 "	"	84	"	7.50	"
" " rubrum,	8- 9 "	"	143	"	7.50	"
" " "	9-11 "	"	84	"	6 00	"
" " Auratum,	7- 9 "	"	167	"	6.25	"
" " "	9-11 "	"	100	"	6.75	"

TUBEROSE BULBS.

We are large contractors and growers of these bulbs and have at present a surplus unsold. We can make special figures on large quantities to dealers who have been delivered short on their contracts owing to the drouth in the South.

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At Half Price to Close Out. All Extra Fine Plants.

Thurstonii, 3½-inch.....doz., 40c.; $3.00 per 100
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A. Guttata. 3½-inch.....doz., 40c.; $3 00 per 100
Olbia, 4-inch.....doz., 60c.; $5.00 per 100
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Alba Picta, Feasti, and four other kinds, 40c. per dozen; $3.00 per 100.

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Many varieties, fine plants, from 2½-inch pots, $1.85 per 100. Rooted cuttings, including scented varieties, 90 cents per 100.

CHINESE PRIMULA, 2½-inch, to color, $2.50 per 100. ALL CASH WITH ORDER.

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	100.	1000.	3000.
Cocos Weddeliana.....	$1.25	$10.00	$27.50
Musa Ensete.....	1.25	10.00	27.50

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FLORISTS FERTILIZER

Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle. Try Sample Bag, 100 lbs., $1.50.

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1st Quality, Per Doz. - $11.00

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Fifteen Photographs of Floral Designs Free with every dozen first quality.

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Consignments Solicited.

Special Attention paid to Shipping Orders.

..C. W. WORS..

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2740 OLIVE STREET

ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

GEO. A. KUHL... PEKIN, ILLS.

Grows 12,000 Rose Plants
Grows 9,000 Carnation "
Grows 4,000 Smilax "

FOR CUT FLOWER TRADE..

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HARDY SHRUBS.

WELL ASSORTED.

...$50.00 PER 1,000...

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Pansies Worth Raising.

GOOD PLANTS, $2.50 per 1000, or $1.50 per 500.
LARGE PLANTS, $4.00 per 1000, or $2.50 per 500.
BLOOMING PLANTS, $1.50 per 100.
SEED, as usual. CASH WITH ORDER.

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Cyclamens 3½-inch pots, $4.00 per 100.
3 " " 3.00 " "

Smilax 3-inch pots, $2.50 per 100
Fine Stock.

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125 Florence St., - NEW BEDFORD, MASS.

WANTED—A MAN

that thoroughly understands growing tea roses; also two young men to assist in propagating. Good wages and steady employment guaranteed to the right party.

BASSETT & WASHBURN,

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FOR SALE.

Cheap for cash, 4 greenhouses containing 5,000 feet of glass: planted at present to Carnations and California Violets; in good shape. Solid beds, situated on a 10-acre fruit farm containing all the finest and choicest fruit. Will sell or rent the farm. Plenty of water, windmill power, hot water or steam. Reason for selling, total blindness. Three miles from St. Louis. Address THOMAS E. CARROLL, Clayton, Mo.

ROOTED CUTTINGS OF THE

New Geranium Mme. Bruant.

I am able to now furnish this wonderfu distinct variety by the hundred and thousand. No Florist can be without this variety, being certainly the finest plant novelty of the year. A large well rooted stock ready now. Shipped to any part of the Union by mail or express, prepaid, 75c per doz.; $3.00 per 100; $25.00 per 1000. Cash with order. Order at once, no better stock can be had. Address

FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

BALTIMORE.

During the past week the elements have given Baltimore and its vicinity many varied experiences, and those of the trade know only too well the disastrous results which sometimes occur when the weather goes back on us by not attending to business. It is no exaggeration to say that the mercury has been playing an ad libitum cadenza up and down the thermometric scale from summer-heat to freezing; while the barometer was equally as unstable. In consequence of which good stuff was inclined to be scarce, and the prices fluctuated accordingly.

In spite of the three unfavorable conditions the Thanksgiving trade was generally brisk, both wholesale and retail. Violets and carnations are steadily on the increase and in great demand. Harrisii and longiflorums have put in an early appearance at novelty prices, likewise a few cypripediums. Chrysanthemums are still holding their own, for there are yet lots of good blooms to be had. The indiscriminate glut that could be bought for "5 cents an armful" has materially diminished only to make the price more uniform on the better grades.

Several of our store keepers have had an excellent sale of the high grade ferns such as Farleyense, Cordata compacta, the Boston ferns, etc. Potted plants of this character are gradually coming into favor with the public.

The Gardeners' Club meeting on the 22nd of Nov., was quite largely attended. Our president, Mr. James Pentland, was in the chair and a second time disappointed us by his failure to read his essay upon the culture of Adiantum Farleyense. Mr. Pentland is quite a veteran in the trade and is generally recognized as high authority on the methods of the old school. We hope soon to have the pleasure of hearing this paper and profiting by its advice.

Mr. Robert Patterson, of Madison Street, has been dangerously ill for several weeks, suffering from complications. His fellow-craftsmen and friends hope for his speedy recovery. CHAS. F. FEAST.



A Field of Burpee's Pink Cupid Sweet Pea.

CONCENTRATED Louisville Tobacco Extract of 30 degrees density; one gallon equals about 200 lbs of Tobacco Stems; applied by spraying or evaporating; no more need of the nasty smoking; handier and cheaper than Stems! Send **One Dollar** for a trial gallon tin. The cheapest and best insecticide is Concentrated TOBACCO EXTRACT

All Seedsmen should keep it. Address general depot,

AUGUST ROLKER & SONS,

52 DEY STREET. NEW YORK.

HEADQUARTERS FOR

AMERICAN BEAUTIES

BASSETT & WASHBURN, Chicago

DAN'L B. LONG begs to announce

the issuing of a series of half-tone plate

Floral Calendars for Florists

ORIGINAL AND NOVEL IN CONCEPTION. VERY FLOWERY AND VERY ARTISTIC.

Their appearance will be a surprise even to the craft.

Six different samples with prices on receipt of 20 cents in stamps.

DAN'L B. LONG, -- PUBLISHER.

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Standard Ventilating Machine....

None Equal it in Strength and Durability.

Nothing Flimsy or Complicated about it.

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"Florists" Get Your Plans and Estimates from

Trade Greenhouses

THE BEST MADE.

Plenty's Horticultural Works,

148-156 RANDOLPH AVENUE,

Jersey City, N. J.

NEW DWARF Sweet Pea Burpee's Pink Cupid



A SINGLE PLANT, EXACTLY ENGRAVED FROM A PHOTOGRAPH OF BURPEE'S PINK CUPID.

This little wonder, like the original Cupid, hails from California, having been discovered by C. C. Morse & Co., to whom we paid fifteen hundred dollars cash for the exclusive ownership when there were only 1060 seeds in existence. It is not a sport from the original White Cupid, but an actual departure from its parent, the tall Blanche Ferry. In habit and manner of growth it is strictly a Cupid, spreading from the root, from a foot to eighteen inches around, growing from six to eight inches high, and shoots up stems about six inches long, which bear, in full bloom at once, from three to four handsome blossoms, all borne close to the end of the stem.

The illustration above has been accurately engraved from a photograph of a single plant, grown in ordinary field culture, lifted and set in a pot on a platform, for the purpose of photographing on a level with the camera. Every plant in our fields in California and New York, and at Fordhook Farm was absolutely true—a perfect "Blanche Ferry Cupid." The Flowers are always of full size, measuring from one and a quarter to one and three-eighths inches across the standard—covering a silver dollar.

Burpee's Pink Cupid bears generally three and sometimes four flowers to a stem. The illustration below was accurately engraved from a photograph EXACTLY NATURAL SIZE. The flowers are identical with the tall growing Blanche Ferry and always fully equal in size.

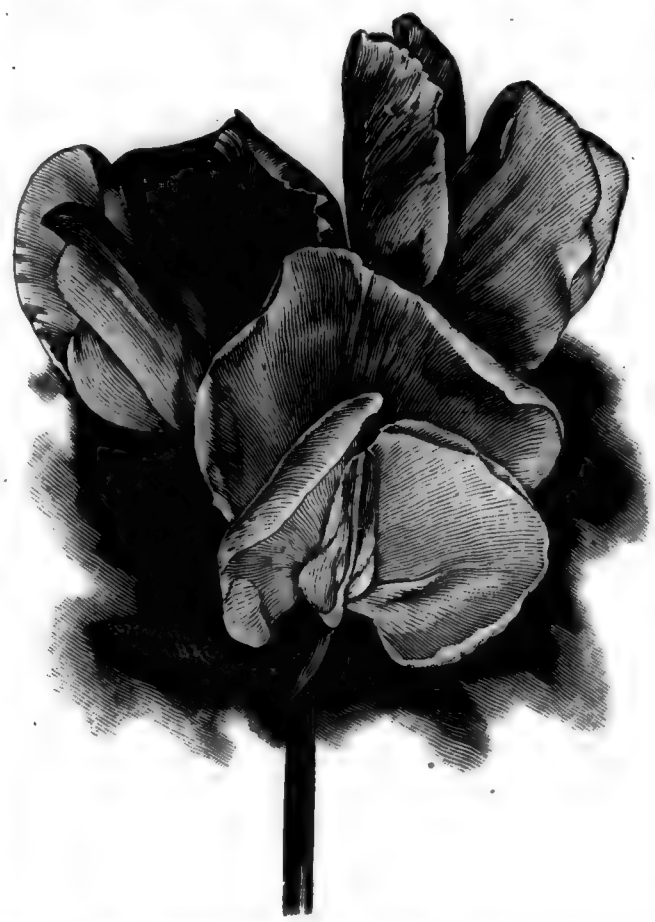
The flower itself is pretty enough, but its attractiveness is doubled by its association with CUPID—the first colored Cupid to follow the famous dwarf white.

The standard of the flower is wide, not infrequently measuring an inch and a half, but not over an inch high, being developed laterally. It usually curves over a trifle at the top, partly concave, which gives the standard a distinct shell-shaped appearance. The standard is a bright rose pink, while the wings are pure white or light pink. The wings are very large and finely formed; when pressed back against the standard they extend fully a quarter of an inch beyond it.

The substance of the blossom is peculiarly heavy and it will appear fresh and vigorous in a glass of water long after its long-stemmed parent has withered and died. The plant itself is vigorous and hardy, and those who had poor or indifferent success with White Cupid will find this variety **easy to grow anywhere.** The seed, which is *black*, is of wonderfully strong germination and the plant an early bloomer, coming into bloom simultaneously with White Cupid.

Though flowering early it continues in bloom very late, bearing a profusion of blossoms so thick as to completely hide the plant itself. It will be without a rival as a bedding and border annual, for its color and fragrance make it a rare novelty.

In our field crops the past season, both in California and New York, a large piece of them looks as if the ground were literally strewn with bright pink rose buds. No novelty of recent introduction has such beauty and grace combined in it as has **Burpee's PINK Cupid.** It is also delightfully fragrant, and will be admired by everyone who sees it.



In regular sized packets (each containing twenty-four seeds): Per pkt. 25 cts.; 5 pkts. for $1.00; per doz. pkts. $2.00. **Per 100 pkts. $12.50.**

In half-sized packets (each containing twelve seeds): Per pkt. 15 cts.; 2 pkts. for 25 cts.; or 10 pkts. for $1.00. **Per 100 pkts. $7.50.**

Directions for culture in English, French and German printed upon each packet.

TWO OF MANY.

REPORT FROM MR. ECKFORD.

WEM, SHROPSHIRE, ENGLAND, September 13, 1897.

MESSRS. W. ATLEE BURPEE & CO., Phila., Pa.

GENTLEMEN:—I am pleased to tell you that the "PINK CUPID" Sweet Pea you were good enough to send me for trial has been a great success. White Cupid has done much better than last year, but still not up to the Pink variety, which holds its bloom better and consequently gives a much better display. I don't think too much can be said in favor of Pink Cupid. At present, it occupies a place of honor in dwarf Sweet Peas. I am, gentlemen,

Yours faithfully, HENRY ECKFORD.

AMERICAN GARDENING.

NEW YORK, September 9, 1897.

MESSRS W. ATLEE BURPEE & CO., Phila., Pa.

GENTLEMEN:—I have just returned from a trip to Jefferson County, New York, where one of the most beautiful sights to me was a bed of PINK CUPID. It was a mass of blossoms exhaling a delicious fragrance into the air; and that its past had been equally grand was evidenced by the seed pods, while the promise for the rest of the season lay in the multitude of buds yet to expand. Truly as a flowering bedder Pink Cupid is a success.

Yours faithfully, LEONARD BARRON, Editor A. G.

FOR OTHER REPORTS see Special Catalogue mailed on application.

Wholesale Catalogue of Sweet Peas for the trade only, giving testimonials from expert Horticulturists in England, France, Germany and America, as to the hardy growth and rare beauty of **Burpee's Pink Cupid,** will be mailed to dealers on application.

W. ATLEE BURPEE & CO.

Seed Growers, **PHILADELPHIA, PA.**

WASHINGTON, D. C.

It is not generally known by the florists outside of Washington, even those at our gates, for Baltimore has only within a week sent us word that they are with us in our fight, that we have the National Government as a competitor in the cut flower and plant trade.

It is an undeniable fact when I say that every official holding a high office, including cabinet officials, representatives, justices of the supreme court, army officials and others, are the beneficiaries of boxes of cut flowers sent at regular periods. The more prominent the official, the more frequent the boxes.

Also that such plants as are necessary for use during a reception are not only furnished for the occasion, but delivered at Uncle Sam's expense. At present there is going the rounds of the various firms here and elsewhere, an agent of our powerful competitor getting prices on plants for free distribution to the extent of several thousand dollars.

Congress makes liberal appropriations for the adornment of the public reservations and maintenance of greenhouses for the necessary propagation and care of plants solely for these parks; but the custom of giving a few plants to members of Congress has grown to such an extent within the past few years, that it seriously menaces the welfare of the florists. From a few plants it has grown at the present time to include cut flowers.

Congress legislated to have the plant for the specific use to propagate and care for plants to be used in the public parks, but we find now houses in carnations, smilax, roses, azaleas, poinsettias, Dutch bulbs, chrysanthemums, etc.

The florists called upon the Commissioner of Public Grounds, have also petitioned the Secretary of War, and are now getting a petition signed by the business men of the city to present to Congress, and are making every effort to get Uncle Sam to withdraw, he being too powerful and rich a rival to compete with.

The stores did a good business during Thanksgiving week, prices being good. Chrysanthemums were of good quality and plentiful. Some excellent specimens of J. Jones and Maud Dean were exhibited at one of the local shows. Roses, carnations and violets are coming in in quantities and are fine. An F street firm is cutting a fine lot of Harrisii, which find a ready market.

W. H. K.

See the weekly price list of Kennicott Bros. Co. in this issue. It pays to buy at headquarters.

Good ventilating apparatus is as essential as a good house or a good boiler. The best is none too good in such an important matter and the Evans' Challenge Ventilating Apparatus is unquestionably the best. Quaker City Machine Co., Richmond, Ind.

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Very Fine Mixed. Good colors, pkt., 10c.; trade pkt., 25c.; ¼-oz., 75c.; oz., $2.50.

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The florets are perfectly round, forming a large compact truss of pure snow-white flowers on strong footstalks, which literally cover the plant when in full bloom. It is the most distinct and valuable Single White Geranium in existence. Absolutely pure as a bedding variety, and never burns under the rays of our summer sun.

I take great pleasure in introducing this magnificent new Geranium.

PRICE $3.00 PER DOZEN.

Send for circular giving full description.

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TOLD.

For Evidence

that the claims made for

JADOO

FIBRE AND LIQUID

have been borne out by practical results

See Next Page

Jadoo Fibre and Jadoo Liquid

As well as plants grown in them have been awarded prizes as follows:

National Chrysanthemum Society, London, England, Nov., 1895.
Devon and Exeter Horticultural Society.
Torquay Horticultural Society.
Liverpool Horticultural Society.
Royal Aquarium, Westminster, London.
New Orleans Horticultural Society, Nov., 1896, 11 Firsts and 3 Second Prizes.
Exeter Horticultural Society, April, 1897.
Bordeaux Agricultural College, June, 1897.
Providence, Society of American Florists, August, 1897. (Honorable mention and recommendation for trial.)
The Monmouth County Horticultural Society, Sept., 1897. First Prize for 6 Specimen Crotons; First Prize for Best Centre Piece for Table; First Prize for 6 Specimen Plants of Dracaenas; Special Certificate of Merit for 6 Phrynium Variegatum; Special Certificate of Merit for Rustic Work with plants grown in Jadoo Fibre.
Society of Vine Culture, Cognac, France, Sept., 1897.
Durban and Coast Agricultural Society, South Africa, Sept., 1897.
Pennsylvania Horticultural Society, Philadelphia, Nov. 1897. 8 First Prizes for Chrysanthemums; 1 Second Prize for Chrysanthemums; 2 Prizes for Crotons; 1 First Prize for Asparagus Sprengerii; 1 Second Prize for Asparagus Sprengerii; 1 Special Prize for Dracaenas; 1 Prize for Window Box filled with Ornamental Foliage Plants.
Bordeaux, France, Nov., 1897. Silver Medal for Chrysanthemums.
Birmingham, England (Bingley Hall), Nov., 1897. Special Certificate of Merit for Jadoo Fibre and Liquid and First Prize for Cyclamens.

From the Pennrock Co., Wilmington, Del., winners of the largest Prize at the Exhibition of Pennsylvania Horticultural Society, Nov., 1897

"In regard to your inquiry about Jadoo Liquid and Fibre we beg to state that we have used it this last season with good results. We grew our Exhibition plants of Chrysanthemums, which took first prize at the Pennsylvania Show, **in soil up to ten-inch pots. In those sized pots the plants became very sick and all the leaves turned yellow. We then shifted them into Jadoo Fibre and the result was simply wonderful. The plants quickly regained lost vigor and the leaves gradually assumed their natural green color. On becoming pot bound we used the Liquid twice a week and this was all the fertilizer we used. We have had excellent results also with Asparagus Sprengerii, Crotons and large Ferns grown in the Fibre and shall use it more extensively hereafter.**"

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Double Action Clay and Slack Burning Hot Water Boiler

Merits I Claim for it over any other Boiler

First. It can be worked with the cheapest kind of fuel. In this case, the fuel consists of clay and hard coal screenings in about equal parts. Such fuel cannot be used in any other boiler to advantage, for the reason that it takes too long before the required heat is given off. This objection is met in my double furnace boiler by arranging the fires alternately, and while one fire is burning up, the other is giving off the required heat.

Second. The economy in time required in attending fires. One fire started the first day with part of a charge which is allowed to take fire when the furnace is filled up, requires scarcely any further attention until cleaned out on the third day. Second fire, started on the second day, runs till fourth day, giving each fire forty-eight hours.

Third. As one fire is taking care of the boiler, the other is allowed to burn out clean; no partly-burned fuel being wasted, as is so often the case in other boilers.

Fourth. When fires have burned out, nothing is left in furnace but light, brittle clinkers and dust—the latter making a splendid material for propagating in place of sand; also for mixing with soil for potting, and benches for roses, etc., as nearly all plants like it. The clinkers are much better than gravel or broken brick for making walks; also for concrete for under-ground walls or foundations.

Fifth. There is no smoke, consequently no soot. The boiler is set in brick-work, with soot doors so arranged that every part can be reached and any dust that settles wiped out in a few minutes, as well when fires are burning as when out, thus avoiding loss of heat by letting fires out to clean flues.

Sixth. The boiler consists of four-inch water spaces all of which are exposed to direct heat both below and above. No tubes are used, so there is no trouble with replacing tubes every few years, as is necessary in any hot-water boiler that is out of use four or five months in the year.

Seventh. Simplicity of construction. It can be easily cast or made of wrought iron or steel, welded or riveted.

Eighth. The same principle can be adapted to special advantage in the construction of steam boilers, where waste or any kind of cheap fuel, such as coal screenings, sawdust, spent tan bark, pressed hay or peat bog, is used. With all such fuel, the fire requires frequent feeding, and every time fuel is thrown in, the fire is deadened by the amount of cold air admitted. Every practical engineer knows the loss of power caused by constantly opening the furnace door.

Ninth. The great power of the boiler. One having over five thousand feet of four-inch pipe, which was in use through the last severe winter, did the work formerly done by three number seventeen and one number fifteen Hitching's boilers, and the cheap fuel used cost less than the hard coal to run one Hitching's number seventeen would have cost for the same time.

Tenth. Where a little warmth is required, as is so often the case for roses, till quite late into summer and very early in the fall, a fire can be started about every three days, and with draft shut off it will keep a steady warmth in the pipes at a cost of fuel and attendance which must be seen to be believed. With other boilers, time and fuel are such important items, that fires are dropped as early as possible and started again in the fall often after mildew has got in its destructive work.

I expect it will be extensively used in Europe, where economy is almost a science.

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Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

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PANSIES. My standard assortment, best and latest productions, 40,000, 40c per 100 express; 50 mailed for 25c to try them aside any other. Seed of same, 1,000, 20c.

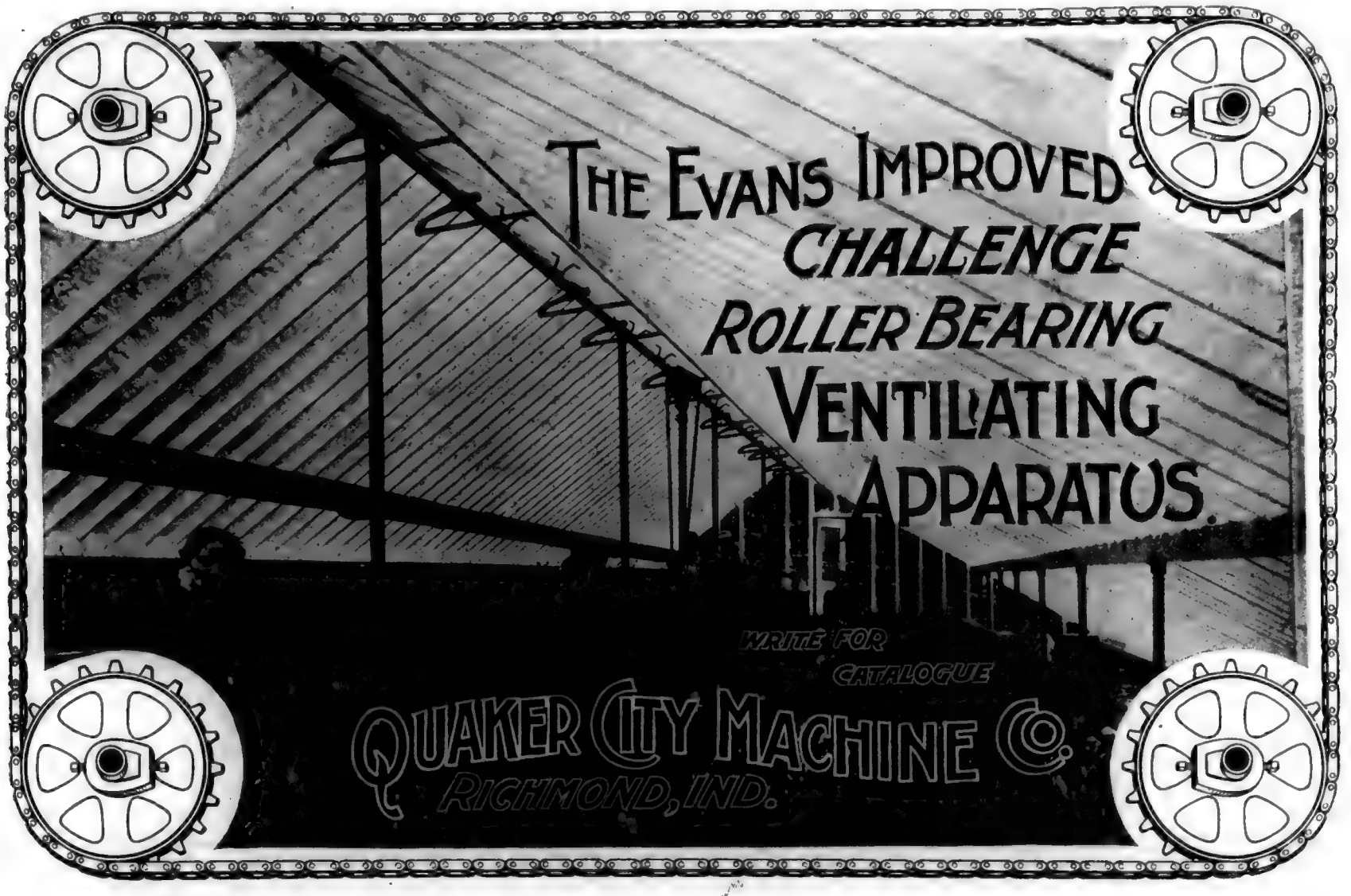
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IT
WILL TELL YOU
JUST WHAT
YOU
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IN JUST THE WAY
YOU
WANT TO BE
TOLD.

MILWAUKEE, WIS.

Thanksgiving day, universally acknowledged as "Turkey day," is also becoming a "Flower day." Invitations for dinner are usually reciprocated by a box of flowers. Dinner parties are given and table decorations are in order, hence the florist comes in for a good share of the trade given on the day of thanks. All social clubs had open house and decorations were numerous. John Rost captured the largest job, he doing the work for the Calumet Club's annual hop on this day. Trade on the whole exceeded last year, good stock being very scarce.

Cold weather has struck us and stock has shortened up considerably. Carnations are especially scarce and readily fetch $1.50 to $2.00 per 100. Roses run from $2.00 to $3.00 for second grade, $5.00 to $6.00 for extra choice. Violets are coming in and are of fine quality. Romans and paper whites are also selling well.

Binzell & Kellner are the latest addition in the way of new firms here, having opened at 314 Third street.

Ellis & Pollworth are putting in a new boiler at their palm houses, for safety in extreme cold weather.

GEORGE WASHINGTON.

"Get Acquainted

with your fellow-craftsmen. We will introduce you. Every subscriber to the FLORISTS' REVIEW is requested to send to the editor a cabinet size photograph with name and address on back, for use in our

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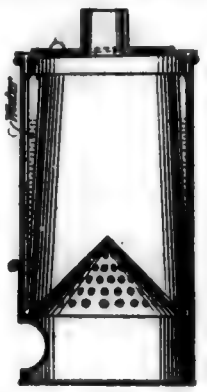


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PERFECTION FUMIGATOR.
(WITH WATER TANK.)



MY aim in these goods has been quality—having from time to time added such improvements as would be beneficial and strengthening to the article, at the same time getting the price down to such a figure as to make the goods popular with the trade in general. For sale by leading seed houses and wholesale supply men throughout the United States.

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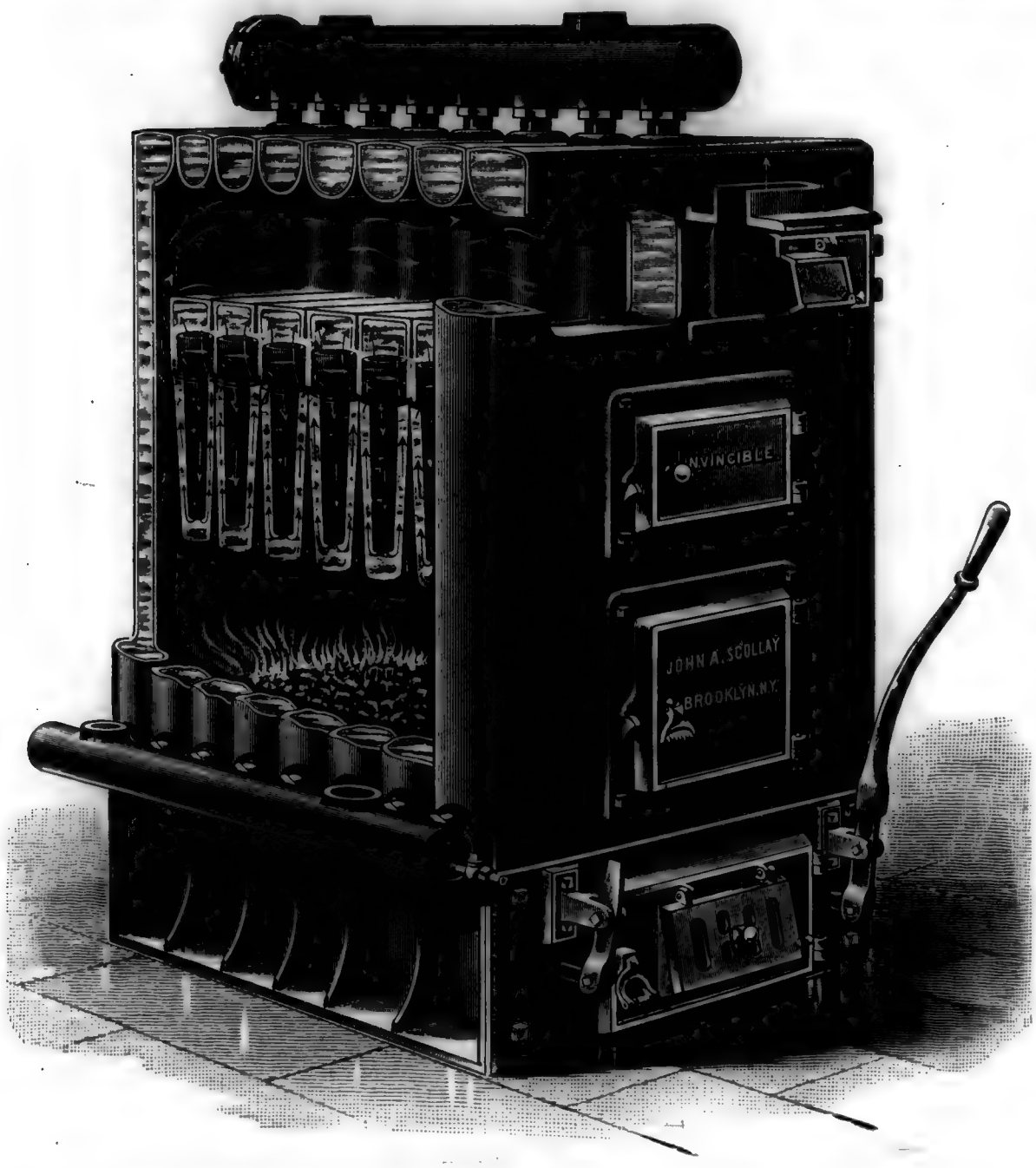
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The one thing I like about it is that the heat does not all go up the chimney, which cannot be said about other makes of boilers I have on my place.

Your PORTABLE boiler I have run for three years and find it to be very economical and has done its work well in every way. Your boilers will do a great deal more than you claim for them. They are both "Invincible."

Yours very truly,
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Dear Sir: — It gives me great pleasure to inform you that the "Invincible" boiler you put in my latest greenhouses has given me the greatest satisfaction in every detail.

All the good qualities you claim for it I have found to be just as represented by you and in every way I highly recommend it.

Very truly,
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Jno. A. Scollay,

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WE ARE a day late with this first number but by next week we shall have the new machinery in good running order and will appear promptly on time. We return thanks to our advertisers for their generous orders and shall spare no effort to make the investment a profitable one for them.

IN OUR advertising pages you will find numerous offers of Christmas greens. You will find these advertisers prompt and reliable, and their prices as reasonable as those of any house in the trade. We ask for them a fair share of your orders.

TO THE many friends who sent in their subscriptions in response to the bare announcement that we would issue a new paper, we beg to return our sincere thanks, and we assure them that the confidence shown will not be soon forgotten.

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MOONVINE, from 2-in. pots, $2.00 per 100.

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with your fellow-craftsmen. We will introduce you. Every subscriber to the FLORISTS' REVIEW is requested to send to the editor a cabinet size photograph with name and address on back, for use in our

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Geranium, Mme. Bruant, 2½-in., $4 per 100.
" S. A. Nutt, 2½-in., $3 per 100.
" LaFavorite, 2½-in., $3 per 100.
" S. A. Nutt, rooted cuttings, $20 per 1,000.
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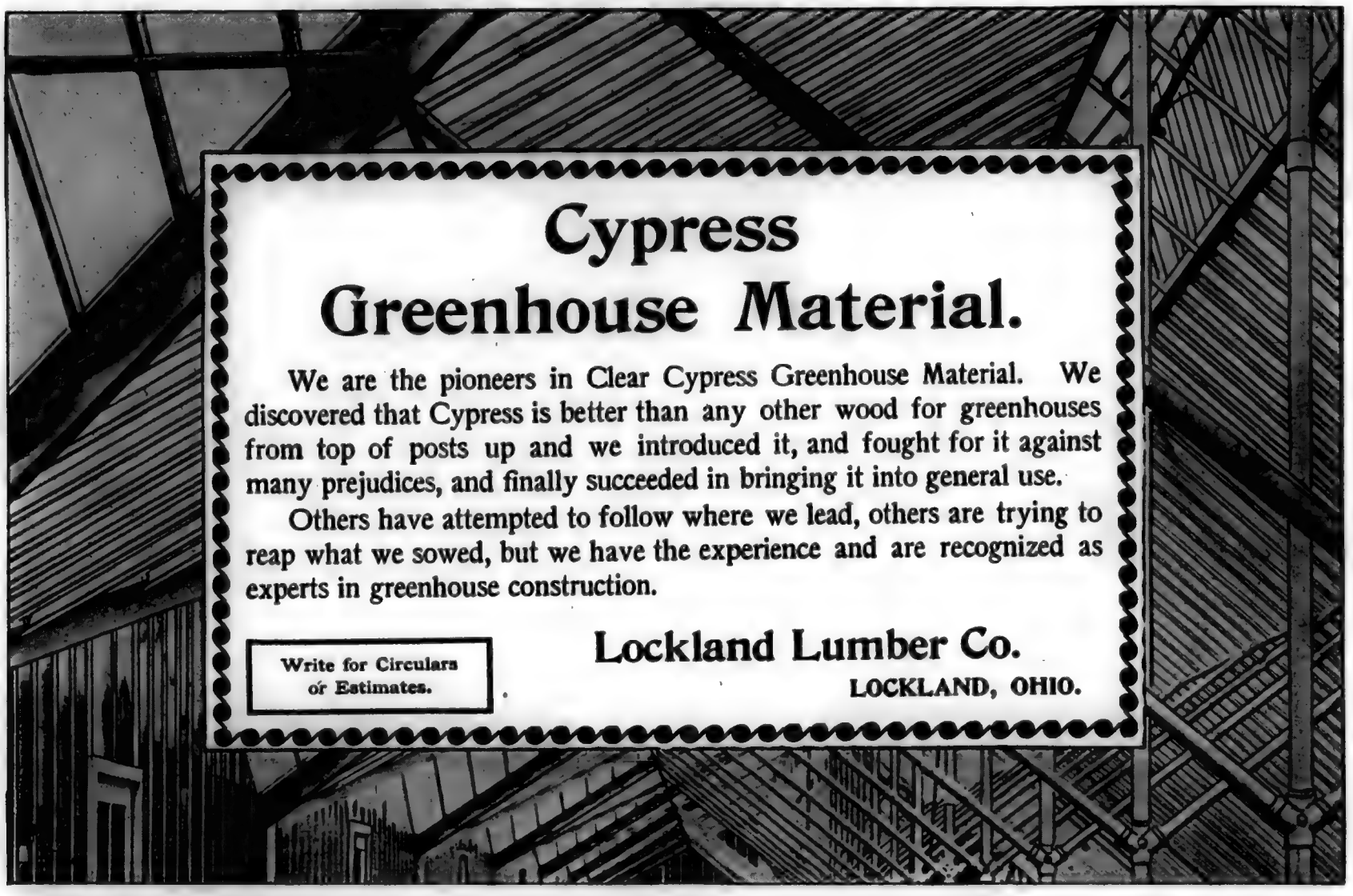
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THE WEEKLY

FLORISTS' REVIEW

G. L. GRANT, Editor and Manager (late Editor and Manager of the American Florist), 530-535 Caxton Building, Chicago.

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The Garden of Hardy Plants at Lincoln Park, Chicago.

THE GARDEN OF HARDY PLANTS AT LINCOLN PARK, CHICAGO.

The illustration shows the perennial border in Lincoln Park, Chicago, as it appeared Sept. 15th last. Most of the taller native perennials were then in bloom and the gorgeous leaf tints from nature's glowing palette had begun to reveal themselves. All the trees bore exceptionally fine leafage this year and it was comparatively free from the defacing inroads of destructive insects to the end of the season.

Beginning with the lowest group at the right of the picture, the prominent plants in bloom are the tall western sunflower (Helianthus orgyalis), New England aster (rosea), tall serrate-leaved sunflower, perennial phlox, Golden Glow rudbeckia, with Egandale canna and bocconia in the center, and Perilla nankinensis at the extreme left point.

The second group at the right has in addition to the plants named a bunch of the very strong small headed sunflower (H. microcephalus, Tor. and Gray—H. parviflorus, Brunk.), with ricinus in the center and physianthus and ipomæa (I. rubro-cærulea) climbing over the shrubbery in the rear. Well to the front of the group may be seen the bold star-like flowers of the giant yellow hibiscus (H. manihot) which bloomed freely all through October this year.

The third point at the right consists of

unusually tall masses of Golden Rod (Solidago canadensis and S. serotina), ricinus, Golden Glow rudbeckia, Helianthus doronicoides, Hibiscus manihot and Amaranthus speciosus, edged by perennial phlox.

At the left the lower point shows ricinus, masses of helenium, boltonia, New England aster (purple), and Dolichos japonica climbing to the trees at back.

The second point at the left has masses of helenium, boltonia, Giant Daisy (Pyrethrum uliginosum), Helianthus decapetalus, Eulalia japonica, Phlox decussata varieties, and Aster lævis.

In the middle of the view is a group of sunflowers (Helianthus doronicoides) which attained a height of twelve feet this summer, and bloomed profusely. Prominent in the same section were some plants of Virginia tobacco, much admired for their bold leaves and pretty flowers which continued to appear long after many apparently hardier plants had ceased to bloom.

Among late blooming plants the most remarkable is Aster trinervis, a small shrubby looking plant with leaves lobe-toothed somewhat like a chrysanthemum, medium sized, dark purple heads. It came into bloom late in October and was still in full flower Nov. 15. Last year it had not bloomed when hard frost set in.

J. H.

A FEW PERENNIALS FOR CUT FLOWER PURPOSES.

When we look over the list of hardy plants we are puzzled by the great variety of good things suitable for this purpose, and to select a half dozen of the best species is a rather difficult task, for it seems almost impossible for me to decide on any one of them in preference to another. It would be comparatively easy to prepare a list of a hundred species, but the average florist of moderate means has neither time nor space to waste on a large collection and only cares to have a few things perhaps which grow and bloom readily with the least possible care and attendance.

Below I will mention a few of the many worthy species which will succeed in any ordinary garden soil and require only every day treatment. Anybody may grow them successfully in field rows, hoeing and cultivating them in the same manner as we would a row of corn or potatoes. No protection is needed for them in the severest weather; they can be depended upon to bloom profusely every season and their flowers are extremely useful in the home trade, at least with us, for we can always use up the whole of the crop to the last flower.

Early in spring the hardy candytuft (Iberis sempervirens) furnishes us with a great quantity of very serviceable white flowers which are almost indispensable in making up designs or baskets. They are also much in demand in loose bunches where a cemetery trade is carried on; beginning so early as May, it will continue well into June. The elongated racemes can be cut with stems eight to ten inches long, they keep perfectly fresh for a week or more in water, and are of the purest snowy white. Within a small space we may accommodate quite a large number of plants which can remain in the same position for an indefinite period; the older the plants are the more flowers we may expect from them. Propagation by cuttings in autumn, winter or spring, or by seeds, are the means of increasing the stock. Old stools will not divide readily, but under good treatment one-year-old cuttings will form bushy little plants and flower quite freely the first season. Soon after flowering we should not neglect to shear the plants back evenly and rather close to the ground so as to encourage an even, vigorous growth of stout and straight stems.

I. corraefolia is several weeks later and has broader, flat flower-heads when first opening, becoming elongated as the remaining buds open out from the center. This is a robust, stout growing species, but somewhat dwarfer than the first named. Both will force readily in winter and years ago were used extensively as a winter cut flower, especially around Easter. Very little heat is required to bring them out and I do not see why they should not now be profitable in the home trade of the average florist. When planted in pots on the approach of spring and placed in a cold frame they will be in full bloom at Decoration Day. Good prices can be demanded for well-shaped plants and quantities of them can be disposed of annually in the retail trade.

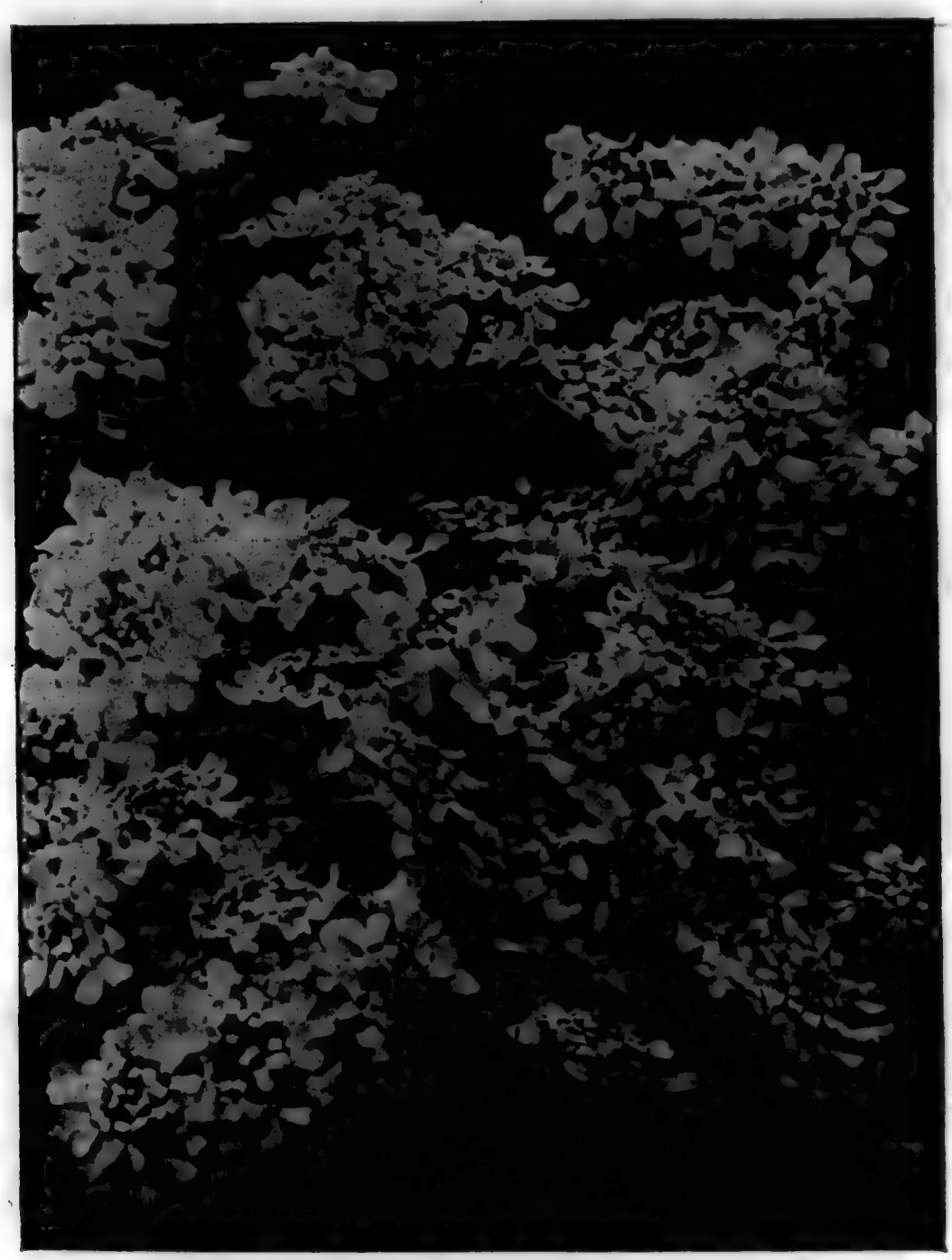
For a second choice I would recommend the pyrethrums, single and double. The China aster-like flowers are borne on long, stiff stems, are of good size and very handsome. They vary in color from white to deep bright crimson and are a most popular flower in their season (June and July), but not enough of them are grown anywhere to supply the market regularly. We can grow them cheaply in field rows and they should remain there undisturbed for some years. The stock is increased readily by division in fall or early spring, or also just after the flowering season is over, but not much bloom may be expected from newly divided plants, especially where they are cut up to one or two crowns. Rank fresh manure should not be used in the soil, still they like a rich and somewhat moist but well drained ground, where the individual flowers attain greater size and substance and are also richer in color. As these plants grow two feet or a little over in height, we must provide a support of some sort for them; stakes, at intervals of eight or ten feet, and twine stretched on both sides of the row, as recommended for achilleas, is the quickest and most economical way I know of. The stems are stiff enough to uphold the flower in closely planted beds where one plant supports the other, but in rows the wind and rain may break them down if left without the aid of the twine. As soon as the flowering season is past, we should go over the plants and cut out all remaining parts of stems down to the ground. This will induce the young side-growth springing from the old crowns to start more vigorously, and when this is attended to early enough, generally insures a fairly good fall crop of flowers. Some catalogue descriptions are rather misleading by calling some varieties "fiery scarlet" or "brilliant scarlet." I have never seen any varieties which could be considered a scarlet, though many of the sorts described as such have come under my observation; they are very brilliantly colored, but I can not find any real scarlet among them.

The flowers of this most valuable hardy plant can be used in every imaginable way, the same as we employ at the present season the chrysanthemum; in vases, bouquets, or in all sorts of room or table decorations and designs, they are always attractive and universally admired by everybody. All our attempts to force the pyrethrum during winter or spring have been unsatisfactory, and I doubt whether we ever will be able to offer any of these charming flowers at any other time but their natural flowering season.

For No. 3, the golden yellow Anthemis tinctoria may be found a profitable subject. Single, daisy-like flowers are always in great demand, and there is no more profuse bloomer of this description than this composite during the summer months, beginning in July and lasting until fall. It is a compact, bushy grower, and perfects hundreds of flowers on long, wiry stems in its season. Propagates quickly by division; small pieces will soon spread and form large plants in a single season, therefore plenty of room should be allowed in the rows at planting time; eighteen inches is the average height of the plants, and when the ground is not too poor or dry, a succession of bloom may be expected until late in fall. They are excellent keepers even in the hottest weather, and are generally used in loose bunches for vases, etc.

The light and airy, rather narrow panicles of Phlox suffruticosa in variety are without rival among the summer and fall flowers for general purposes. Their colors are more delicate than those we find in the decussata section and the florets are not so closely arranged in the panicles. The stem is considerably thinner, the foliage narrow, deep, glossy green, not disfigured by mildew at any time as is the case frequently with the other, and the whole appearance of the panicle is decidedly graceful in every detail. None of them grow taller than eighteen or twenty inches. They flower considerably earlier than the ordinary decussatas and bring a succession of bloom until November.

Why this section should have been neglected for so long a time is a mystery to me, for they possess so many superior qualities which should entitle them to universal attention, much more so than the large family of decussatas, of which new varieties of more or less value are sent out every year, while the undoubtedly more graceful and slender form has received hardly any additions in the last thirty or forty years, though it would not be more difficult to raise new varieties of this than the other. While the robust growth of the common species requires frequent divisions, our favorite can remain undisturbed for five or six years; an annual topdressing in early spring is enough to encourage all the underground eyes into healthy growth, and when the first panicles are cut in June, the eyes at the



Iberis Sempervirens. Perennials for Cut Flowers.

base of the old stalk will in turn form new flower stems, thus keeping up a succession until frost stops all further growth; but where the flowers are left to mature and decay on the plants we must not expect a great quantity of flowers after their first blooming. They are propagated either by cuttings or divisions, preferably in the early spring.

In August and September the helianthuses are generally in great demand. Various good sorts may be recommended, but if only one kind is to be planted, H. lætiflorus is by all means the one which takes best in the market. The flowers are of medium size, very regularly shaped, brilliant yellow in color, and the heads are just heavy enough to slightly bend over the stems so as to add to the general graceful appearance of the long sprays. Two rows of petals make this a semi-double variety, otherwise it very nearly resembles H. rigidus in h bit and growth. About five feet is its height. It is easily increased by division; no special care is needed in successfully growing this plant, but too dry a situation should be avoided.

As I am restricted to but half a dozen species, we are nearing the end. Only one more is to be mentioned, and with so much material to select from, considering everything, I decide in favor of the often mentioned Anemone japonica. We can work these up everywhere, in large and small decorations, in vases, baskets, or designs, with long or short stems. They are never objected to, and come at a time when desirable white flowers are not overplenty. I have seen it recommended many times to give these plants a place partially shaded by trees, but have never seen them in such situations to grow as vigorously and bloom so abundantly as they will in full exposure to the sun. Old plantings will attain a height of six feet, the whole sides and tops a mass of buds and bloom and the foliage large and luxuriant. No such results can be expected for the first two years after planting, whether we use small young plants or several well developed old crowns in a hill to start with. If we are in possession of only a few old plants, root cuttings an inch or so long can be potted singly in small pots, and this is a quick way of working up a stock. In spring the young plants should be planted out in their permanent position; these will generally bloom freely the first fall and increase their crop with every succeeding year. Nobody can afford to do without a row or bed of this useful and profitable plant.

K.

SUPPORT OF FLOWER SHOWS.

In a report of the New York Gardeners' Society's exhibition published in a contemporary, it is written that "it is evident that the key to New York's appreciation and support of flower shows has not yet been discovered." It strikes me very forcibly that the same may be said of any other city's appreciation and support on this continent. In none of the accounts does it appear that the shows have aroused that enthusiasm which brings everybody —young and old, rich and poor—out to see them. I am not one of those who believe that this enthusiasm can be aroused in a single year, but I do believe that the key that will unlock the first and most important door of the safe in which this enthusiasm is stored is nothing else than the *price of admission*. Of course the show must be a good one—they generally are good, though more attention might be paid to small details than is usually done—but what is the use of having a good show if the people don't come and see it? In this city when the show was open on Thanksgiving day the hall was always simply jammed both afternoon and evening, the price of admission being twenty-five cents; the people were all out for a good time and they did not mind so much what money they spent. But this year the show was held earlier by two weeks, and it was a better show, but the crowd did not come, the reason being I contend that the crowd thought they could not afford it. The show was open *free* for a few hours on Sunday afternoon (this not being advertised until after 8 p. m. on the Saturday) and an admiring and most orderly crowd filled the building all the time. I mention this instance to demonstrate the fact that the *crowd* wants to attend these shows but (except on a holiday) cannot or will not pay the admission fee.

Twenty-five cents certainly does not seem to be much, and to those who always attend any way it does not amount to much, but to by far the larger portion of the population of a city who live fully up to their income it amounts to a great deal, especially when the wife, mother-in-law, daughters, cousins or aunts have to be taken too.

Now no show is really successful unless it is attended by a great number of people, in proportion to the population of the city in which the show is held. Those who love flowers and have plenty of money can be easily brought, and some will come to show their good clothes, but there are those who love flowers and have very little money, and many more who don't know anything about flowers into whom it is desirable to instil the love for

them, and it is these two latter classes it is so necessary to get at in order to make an all round successful show. Would a ten cent day draw them out?

I would suggest for a four day show in cities from 100,000 to 200,000 population, twenty-five cents the first day when things are in a rather disordered condition and the exhibits probably not all in, fifty cents the second day when everything should be in and in perfect order; this would be the fashionable day for the upper ten, twenty-five cents the third day and ten cents for the fourth day which should if possible be a Saturday or in some places Sunday. In very large cities the prices for the first two days might be higher perhaps, but leave the last day at ten cents.

Toronto. A. H Ewing.

ORCHIDS

THE NEW CYPRIPEDIUM EDWIN LONSDALE.

The interest that is usually manifested upon the appearance of the first born following the union of two illustrious individuals has not been lacking in regard to the recent advent of the new cypripedium as above named. Both of your trade contemporaries give some prominence to the statement that it is the first Rothschildianum cross yet raised and flowered.

"K," of Philadelphia, see *American Florist* of November 20, page 588, has let his enthusiasm get the better of his judgment, or otherwise badly ignored facts when making such a statement that it is "the first American cypripedium ever raised and flowered." This is a very poor commentary on the excellent work that was done and the superb varieties that were raised and flowered by Mr. Gray when in charge of Jno. H. Grave's unique collection of "cyps" at Orange, which good work still goes on and from Mr. Grave's collection has emanated some of the very finest latter day hybrids. Again, our friend Geo. Savage, in charge of the Kimball collection at Rochester, frequently flashes forth evidence that he is not sleeping among his "cyps." How many American raised "cyps" went to Europe from the Pitcher & Manda collection at Short Hills? This is enough, however, to show how much K's assertion is at variance with facts.

In the report of the Philadelphia show that appeared in the pages of your other contemporary, the *Florists' Exchange*, Nov. 13, page 1034, I read the Cyp. Edwin Lonsdale is the first cross from Rothschildianum that has ever bloomed.

It is decidedly late in the day to claim for it the honor of being the first born, there are so many others that have come before. Just how many hybrids there are of which C. Rothschildianum is one of the parents I am not sure, but this newly recorded first-born is certainly the ninth.

F. Sander & Co., St. Albans, England, have raised and sent out four, their names and parentage being Massavanum (superciliare X Rothschildianum), A. De Lairesse (Curtisi X Rothschildianum), Mars (Harrisianum X Rothschildianum), and Neptune (Io-grande X Rothschildianum). From the great collection of T. Statter, Stand Hall, Manchester, England, has appeared two, Lord Derby (Rothschildianum X superbiens), Excelsior (Rothschildianum X Harrisianum). From the R. I. Measure's collection has come Y'mir (Hookeri X Rothschildianum), and W. R. Lee records the name of its raiser, the cross being (superbiens X Rothschildianum). After all these comes in proper sequence Mr. Clinkaberry's new hybrid Edwin Lonsdale (Rothschildianum X barbatum superbum), and in justice to Mr. Clinkaberry I would like to remark that where *his own* description of the new variety has been printed elsewhere, no absurd claims are advanced.

A course in cypripediums would appear to be in order or is certainly needed at some of the winter meetings of the florists' societies. A. Herrington.

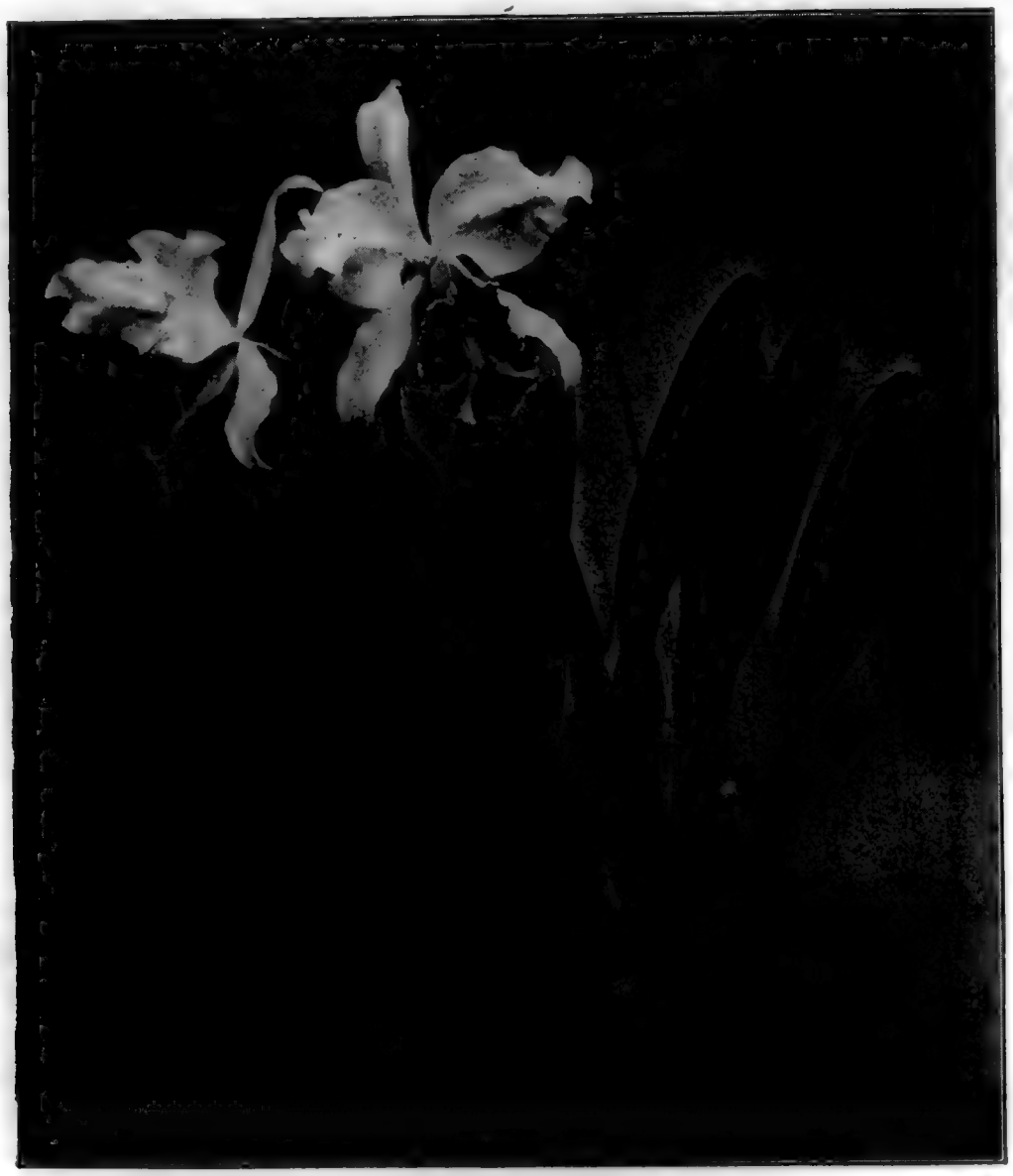
Madison, N. J.

CATTLEYAS CHRYSOTOXA AND GIGAS.

The home of these beautiful cattleyas is the State of Antiaguia in Colombia, where occasionally they are found growing together. Cattleya chrysotoxa is becoming exceedingly scarce and is consequently difficult to obtain. Plants of this beautiful species are seldom seen except in private greenhouses, where its striking colors always attract attention. The sepals and petals are pale yellow and the



Cattleya Chrysotoxa.



Cattleya Gigas.

lips velvety crimson, veined with golden yellow. It flowers here mostly during the summer months, beginning with June.

C. gigas, although not so striking in colors as the preceding one, is nevertheless one of our best and finest cattleyas for summer flowering purposes that we have. The flowers are very large and showy, the sepals and petals of which are of a rosy color with a large, broad lip with deep purple, and with two yellow blotches in the throat.

Where the two above mentioned cattleyas grow there is occasionally a natural hybrid found, which for beauty eclipses the parents; it is, however, scarce and commands fancy prices whenever found.

C. gigas is one of the most desirable kinds for florists to grow wherever orchid flowers are required in the summer months. The demand for this class of flowers at that time of the year is on the increase and is likely to assume greater proportions than ever in the near future. The flowers sell readily at good prices.

The culture of C. gigas and that of C. chrysotoxa is more or less the same. They delight in the sunny end of the cattleya house, suspended in baskets. When growing they require plenty of water, admitting air at every possible opportunity. LAGER & HURRELL.

Summit, N. J.

CHRYSANTHEMUM NOTES.

The following varieties are, from our observation, the most reliable and profitable for a florist to grow. There are others, undoubtedly, but these will cover the whole season and can everyone be depended upon.

WHITE: Mrs. H. Robinson, Frank Hardy, Mayflower, Mrs. J. Peabody, Niveus, Mrs. Jerome Jones.

YELLOW: Miss G. Bramhall, Major Bonnaffon, Minerva, Golden Wedding, Modesto, H. W. Rieman.

PINK: Glory of the Pacific, Iora, Viviand-Morel, Mrs. Perrin, Erminilda, Maud Dean.

CRIMSON: Wm. Seward, G. W. Childs. And in the any other class we will place Silver Cloud.

Mrs. Robinson stands supreme as *the* earliest white. Its only fault is its rather weak neck, a fault, however, that we have not had to contend with. If it is started early enough and grown properly it will stand up all right.

Frank Hardy, the present sensation, is, to use a slang term, a peach. I question if any other variety shows so many good features. It has a marvelous stem and no variety, without exception, carries its foliage up to the flower as does this one. It has no neck, for the bottom petals hardly clear the foliage. As a shipper it cannot be beaten. Wherever it went the report was always: "Traveled in fine condition," and the fact that it scored ninety-five points at New York, ninety-four at Boston, ninety-three at Chicago, and eighty-nine at Philadelphia, shows plainly what the experts think of it.

Mayflower is a splendid white but it has some disadvantages, chief of which is the fact that it is easily bruised, consequently not valuable as a shipper, and it is a hard variety to work up a stock of.

Mrs. J. Peabody is very fine. Mrs. Jerome Jones is too well known to need description, and Niveus, on account of its purity, will long be welcome.

In yellows, Bonnaffon ranks highest with us. For any purpose it is superb and has been placed first oftener than any other yellow at exhibitions this season. It is a splendid keeper and if I had to limit my yellows to one it would be Bonnaffon. Miss G. Bramhall is a little off color but its form is superb, it is a fine keeper and is valuable on account of its earliness.

Minerva is a good grower and a fine flower but loses its shape somewhat as it gets older. Golden Wedding is great in its season. It is one of the hardest to grow, being so subject to mildew and leaf spot, but when it is well done it is a grand yellow. Modesto is fine in sections where Wedding is swept off by disease. It is even deeper in color but its bare, rather weak neck, places it at a disadvantage with Wedding when both are well done. H. W. Rieman is excellent as a late yellow.

In pink, Glory of the Pacific is earliest and has proved itself a useful and valuable kind this season. Iora makes a big flower of pleasing character and color though I regret to say its keeping qualities are scanty and it should be cut as soon as developed. Viviand-Morel is one of the varieties that crop up with a perennial freshness as a prize-taker. It is still peerless in its class and will long remain so, though it has sportive proclivities. The terminal bud should always be taken with Morel. Mrs. Perrin is a bright, well-finished flower, and with Mrs. Perrin one does not want the Pink Ivory. Erminilda will be found very useful, while Maud Dean as a late pink and fine keeper will hold its own.

In dark shades, William Seward and G. W. Childs are the best. Both are good, but both burn badly in bright weather if they are not shaded.

To those who stand or fall by decided colors, Silver Cloud is useless, but none the less it is a beautiful delicate looking flower, and as the old bachelor remarked of the baby's face: "It grows on one." Stem and foliage are both A 1.

I have not touched on the very early ones, Yellow Monarch, Lady Fitzwygram and others. They can be and are produced so cheaply and in such quantities that there is nothing in them.

Every grower has his own favorities which do well with his treatment and locality and to such I say hang onto them. In the multitude of varieties sent out every year, few stand the test of time, though the march of progress is onward and upward still. To those who like Philadelphia, Pennsylvania will be an acquisition, as its color is away ahead of its parent. C. TOTTY.



Cattleya Hardyana.
(Natural Hybrid, Gigas X Chrysotoxa.)

A PRETTY WEDDING DECORATION.

The illustration on page 79 shows the altar decoration for the King-Van Cise wedding which occurred at Summit, N. J., recently, at the Methodist Episcopal church.

Autumn foliage, chrysanthemums, smilax, Florida palm leaves, palms and colored dracænas were the subjects used, and while the whole was on quite an elaborate scale, the body of the church being decorated also, the expense was small considering the result, as the following tabulation will show:

One double horse team with driver, securing autumn foliage, one-half day	$ 2 00
Man's time for one-half day	1 00
100 Chrysanthemums, 2nd quality	10 00
100 Chrysanthemums, 1st quality	25 00
100 Florida palm leaves	2 00
50 strings smilax	6 00
Man's time at church, one day	2 00
One double horse wagon of palms, etc., fetching and returning	10 00
Net actual cost	$58 00

To this of course must be added your own time looking after previous details, time at church, etc., figuring your profit between the actual net cost and the price secured for the decoration, say $100.00.

While the church was not very large, a schoolroom divided only by revolving shutters, which were raised during the ceremony, and also decorated, were included in the work. The amount of material used might be increased or decreased according to the contract made, the church being larger or smaller.

The autumn foliage used included oak, dogwood, maple, and some (yellow) which the walnut furnishes at this time of the year; the color plan of the decoration, autumn tints, yellow and white chrysanthemums and green palms produced an excellent effect for evening with electric light.

As in the illustration here reproduced the altar was of course the "piece de resistance." There were three platforms, including the organ floor, the rails serving as an excellent support for attaching the branches. Against the organ pipes one large, handsome piece of "dogwood" was wired, giving it a lace like appearance. Then the pillars on either side were pieces of "walnut" 18 feet high. Around the first rail were large pieces of "maple," very bold in effect and color, then came a perfect hedge of oak, in the center of which was a group of palms, the big arecas seen arching nicely where the "knot" was tied, and on the altar rail proper smilax was looped and the standards entwined with the same. Here and there among the foliage were placed palm leaves and single chrysanthemum flowers, and as seen in the illustration, large vases of blooms were placed, some hanging in "graceful revelry" over the rail, yellow and white predominating, the former chiefly Major Bonnaffon and Henry Hurrell, and the latter Mayflower and Ivory.

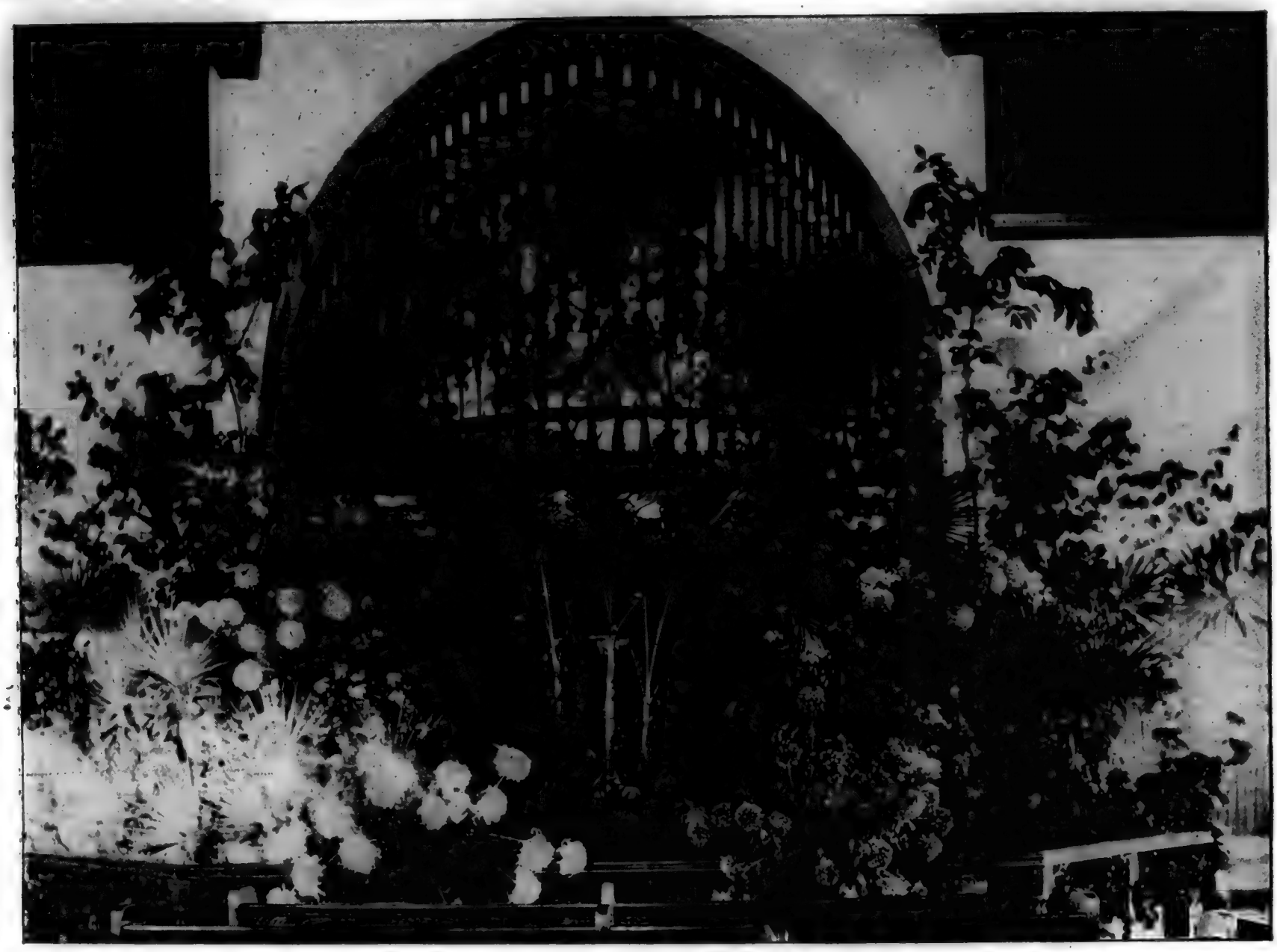
In the windows were a colored dracæna, harmonizing prettily with the foliage, flanked on either side with a palm, pots covered with autumn foliage, and the gothic arches looped with smilax a la Schuyler Mathews. The walls were covered with flat pieces of foliage, with palm leaves for a "base." The woodwork of the gallery was also massed with foliage and on the pillars between the church and the schoolroom large bunches of "mums" were tied, backed by foliage also. The seats reserved for the family were ruled off by smilax wreathed and festooned along the backs.

One of the main points is to secure large, bold, highly colored pieces of autumn foliage, as these can be easily trimmed at the place of action. Flat pieces are preferable, though for the altar large, artistic, scraggy pieces gave a bold and natural effect that smaller pieces would have failed to give. H. A. B.

THE STORY OF AN EMIGRANT (NOT EMINENT) FLORIST.

There is nothing particularly good or wilfully bad in the career of the writer that would in any way deserve an autobiography. Neither is it meant as such. It is merely the relating of a few incidents of one who was born and reared in a beautiful garden, of recollections and incidents connected with his early gardening life and his more or less severe struggle to make a living in this land of his adoption. If the simple story which is to follow will have amused a few kindred spirits and maybe brought back old memories, it will be a gratification that the acquisition of wealth would not equal. Some thinkers tell us that much good as well as evil arises from that strongest of all human attributes, selfishness, so perhaps it is the case in this instance—under the mask of amusing others I am exercising self gratification.

For things unseen and unknown I have perhaps less veneration than the majority, but for the memory of a beloved parent, who was the most benevolent of men, the most eminent in his profession, who was a model to his children and neighbors both in example and precept, "whose failings leaned to virtue's side," I have the most humble reverence and respect. In the autumn of life we think of the many deeds left undone, of how many times we could have added to our parents' joy by obedience to their virtuous wishes, but that is futile now and the best thing left for us is to make those with whom we dwell, and all with whom we come in contact, glad that we are with them to cheer and to help, even if it be by only a kind word. As the narrator wishes to keep his name a solemn secret he will subscribe himself by the name given him by an infant lisping brother. "Bibber" was his name at four years of age, when these memories begin, and it is good enough for the rest of his life.



A Pretty Wedding Decoration.

Till within twenty or thirty years it was seldom that our men of great wealth went into the country, bought a few hundred acres, built a country residence and embellished the surrounding grounds. They did not care, or could not afford, to be far away from their business, so when they found themselves the happy possessors of superfluous wealth they bought the first vacant lot to be had on the most fashionable street or avenue of a great city and built a quarter of a million dollar house on a forty thousand dollar lot, with not enough room left for Bridget to hang the linen or swing a cat by the tail without hitting the neighbor's fence. But this is changing fast. In every part of the country our men of means are seeking rest for themselves and family in some beautiful rural retreat. They are employing the highest skill of the landscape gardener, and to perpetuate the beauties of the garden employ a skilled and educated gardener. They will take delight in friendly rivalry, that *their* gardener has the finest show of orchids, the largest bunch of Muscat grapes, the best crop of mushrooms, and the largest "mums" they have seen anywhere, in fact, they are much superior to their neighbor's, Mr. Manhattan Van Struckoil.

I do not say that fine private gardens did not exist years ago. Some did, but they were few and wide apart. Of those that did exist I recall Mr. Gordon's, of Cleveland; Mr. Hunnewell's, of Wellesley, Mass., presided over by that prince of gardeners, Mr. Harris. Then there is the late Mr. Geo. W. Child's fine place, Wootton, but this, and many places on the Hudson, are quite modern and only prove what I say, that they are coming, and I believe, coming fast. The refined and cultivated employer will demand, and he will get, a refined, cultivated and skillful gardener, whose services will be appreciated, and whose standing among his fellowmen will be what his profession deserves, and very different from the "milk a cow, set a hen" kind of a gardener that has so long passed muster among so large a class of our people, and whose conception of a gardener is taken from Dr. Johnson's definition. The great lexicographer says: "Gardener, one who works in a garden."

It is well known that Europe is studded thickly with these fine establishments and it must be admitted that Great Britain has her share. We will be sure to hear some say: "More's the pity; these parks and gardens should be turned into wheat fields." I am not writing this to extol or defend any kind of land system, but certain it is that on the private estates with which I have been intimately acquainted, there was more labor employed and at better wages, in the care of the gardens, the parks and the woods, per acre, than there would have been had the same area been devoted to wheat or turnips. And is not the beautiful as essential to the world as the useful, many times of more lasting value! For centuries money and skill have been expended to make these parks and gardens beautiful, and all that contemporary knowledge could add to their embellishment was given with a free hand.

In almost the midst of one of the most beautiful gardens of England I first made my step abroad. The roomy but old-fashioned home with its thick covering of straw thatch, impervious to winter's cold and proof against the solar rays, the house that has entertained many of England's most illustrious nurserymen and gardeners of the old school, the big yew tree whose branches touched our bedroom window, where countless sparrows chirped their morning greeting, the long porch whose pillars were wreathed with roses; all these I see now vividly, and will as long as memory lasts.

Now let me take you for a stroll around this garden and while admiring the fruits

and flowers point out the objects of interest in the surrounding country. We will stroll first to the highest point and ascend a spiral stairway to the top of what was called the "lookout," a wooden structure of modest height yet elevated enough to give us a commanding view for many miles around. To the west we look upon what appears an endless forest with here and there an opening showing some well cultivated farm, or perhaps we are attracted by some stately house with a background of forest. They are the homes of well-to-do people, some landed proprietors, some only renting these pretty homes. The large white house is the residence of Lady Napier, the widow of Sir Charles, the Hero of the Sikh war. But I must not stop to tell you of all the people who make their homes in these pretty places or I shall never reach the flower garden.

While we have been looking at the distant wooded scenery we have looked completely over as pretty a miniature lake as ever swan rode upon, and it is within a few hundred yards of where we stand, and all in the pleasure ground proper. It is not so small but what there is an island in this lake, where an old garden hand has reared a family and cultivated a small garden plot. A full-rigged man of war, and a schooner, each about thirty feet long, rode at anchor from spring to fall. More animated was a pair of swans, who truly deserve to be called "majestic," except when they are busy with domestic matters. Look out, small boy in a boat, for an old he-swan if his missus is sitting on the nest or shielding her pair of young. Mr. Swan will break your little arm with a flap of his powerful wing, so do your fishing and boating in another part of the lake, and let his swanship be lord of all he surveys for (to him) that very interesting season of the year. This little lake of four or five acres with its bays and coves was surrounded with groups of shrubs and here and there an open glade of velvety lawn. The rhododendron, arbutus, sweet bay, Portugal laurel, common laurel, holly, and numberless other evergreens in groups and belts, made a pretty margin to this tiny piece of water.

The proprietor of the estate had spent many years of his young life in China, being attached to the British embassy to China at the end of the last and beginning of this century. So he had surrounded this lake, in nooks where they looked at home, with imitations of Chinese buildings. There were Chinese boat-houses, Chinese pagodas, bell-houses, temples, Chinese bridges, and other remembrances of the land he knew so well.

We will look to the north and there again the oak forests almost fill the eye, but within half a mile is a straggling village, for whose beauty and picturesqueness I have nothing to say, for it had little of either. Several of its inhabitants worked in the garden, and one old rugged giant, who had brought up a family too large for his income, had fought in the battle of Trafalgar. Gypsies of the genuine sort were as common there as tramps are here, and far more interesting. There was the village "common," where all alike have a right to turn out to graze their pony, pig, goose, or that long-suffering animal, the donkey, or any other live stock they were lucky enough to own. More conspicuous to the view, at the crossing of the roads on the hill, was the village inn

Where graybeard mirth and smiling toil retired,
Where village statesmen talked with looks profound,
And news much older than the ale went round.

We cannot see it, for it is in a little valley, but half a mile farther is a much prettier village. Near it are huge blocks of concrete, the remains most likely of a Roman wall or stronghold. In the ages that this village's name has been handed down it has been corrupted from "Romans" to "Rowlands" castle. Here is a village green as you would expect to see it, and where the sweet lines of Goldsmith may be again quoted:

And many a gambol frolicked o'er the ground,
And sleights of art and feats of strength went round.

Near the end of the village, to the north, began one of those magnificent avenues that can be seen only in a country that has long been devoting her leisure hours to planting, not for her present sons but for future generations. This avenue starts within a few feet of the boundary line between the counties of Hampshire and Sussex, and is perhaps eighty yards wide and considerably more than a mile in length. It is bordered on both sides by gigantic beech trees. The avenue is grass kept nibbled short by South Down sheep, assisted by thousands of rabbits. At the north end of the avenue stands the stately pile of Stanstead House, for many years the property and home of Mrs. Dixon, and where for twenty years the superb garden was in charge of Mr. George Thompson. As good there might have been, but no better all-round gardener ever lived than George Thompson. He has since been superintendent of the Crystal Palace, Sydenham, and although an old man now, I hope he lives to enjoy the fruits of his labor.

I cannot tell you who lives in that large red brick castle-like house, because you are not interested. If you could see that little town just due north about ten miles, it is Petersfield, long the residence of Gibbon, the historian. If you could see still a few miles to the east of Petersfield you would discern that most ancient little town of Midhurst, a few miles south of which Richard Cobden lived and died. Richard Cobden, who with John Bright, fought so hard to give the British workmen cheap bread, and won the fight, and incidentally while winning the fight did not hurt the American farmer. To show the antiquity of Midhurst I noticed when there twelve years ago a sign over a butcher's shop reading: "Established 1626."

Many places of interest could I point out to you but you will be weary. I must try and point out Dangsteen, once famous for a most wonderful collection of rare and choice plants. Lady Dorothy Neville was an enthusiast in her day, and was ably assisted by her studious gardener, Mr. James Vair, brother to Mr. George Vair, of Toronto. It would not be proper to leave this lovely neighborhood where so many pretty places are nestling among the chalk hills of the South Downs without telling you that in a little village full of good gardens between Midhurst and Chichester called Westdean, Fred and Sammy Goldring first saw the light, and first in a garden "did delve." Their father, an excellent gardener and worthy man, lived and died there.

Look East and you will see in the distance the tall spire of Chichester cathedral, which dwarfs all surrounding buildings. But three miles farther to the northeast is the far famed Goodwood, famed for the glorious weeks' racing on its downs, the home of the Duke of Richmond and Gordon.

I have kept you from viewing the south because it is the most interesting. There is more here that everybody has heard of. Looking straight south from our perch up aloft, the farthest land you see is the far-famed and beautiful Isle of Wight. It is the eastern end you see and the sea on this side of it, or the channel between the mainland and the island, is known as Spithead, where last summer rode at anchor the mightiest fleet the world ever saw. There is always a fleet riding there. The writer stood on the same spot in 1856 and saw the wooden fleet illuminated shortly after the close of the Crimean war. What would those wooden walls do now! One armored gunboat would sink that majestic looking fleet of '56.

The Isle of Wight is twenty-one miles long and fourteen miles wide at its broadest part. The climate of the southern part of it is so mild that our common zonale geraniums grow trained to the walls as we grow clematis, fuchsias (such kinds as "Rose of Castile" make shrubs). Camellias grow and blossom the year round, planted out as we would a hardy shrub. Following west the nearest coast line of the island we come to the pretty town of Ryde, where with all its beauty the hack driver and hotel keeper subdues his reverence for the beautiful and charges for services a la Niagara. A few miles more to the west is the point where the mainland and island nearest meet, and where "Her Gracious Majesty" makes a short cut across to one of her favorite homes, Osborn House, famous for its grand garden. A few miles from Osborn is the town of Cowes, more intimately connected with yacht building and racing than any other town in the world. If our eye could reach to the western end of the island we would see in that narrow strip of water between the island and the English coast those peaks of jagged rock that stand in the way of the mariner, "The needles," through which our American liners, the St. Paul and the St. Louis weekly wend their way to their dock at Southampton.

While admiring the beauty of this fair island in the English channel we have not noticed the great town of Portsmouth with its dock yards, its barracks, its forts and its thousands of Tommy (not Fred) Atkins. The old wooden ship lying but a short distance from the shore is the "Victory." Where Nelson was shot is marked on the deck. Where he died, down in the cockpit, is also shown you. The battle was over and victory won,

but a French marine shot him down. You will notice that the coast line for many miles is indented with land-locked harbors, but they are of little use for commerce, for every twelve hours they are a broad expanse of mud and the other twelve hours are a fine sheet of water.

But I have had you up here long enough and you will be tired straining your eyes at what you only dimly see. Let us descend to the garden again.

BIBBER.

[To be continued.]



CARNATION NOTES.

Temperature—Ventilation.

To keep up a desired temperature we need the help of fire heat, and ventilation to modify the climatic influences of too warm and too cold. The average temperature at night is at our place 55°, day temperature on cloudy days from 60° to 65°, on sunny bright days from 65° to 75°. As soon as the day temperature rises above 60° we commence to open the ventilators and strive to maintain the desired temperature as nearly as possible. To do this we have of course to consult the outside temperature. These rules we observe at all times, whether the outside temperature be moderate or freezing, so long as it is in our power to uphold the desired inside temperature. This certainly will require fire heat and may often be apparently against economy in heating. But let me say right here there is no saving, as we will see further on, when heat is withheld at the expense of another element.

There is another point in ventilating far more prominent than the help it gives to regulate the inside temperature, and that is the admittance of the pure, fresh air from the outside, and the expulsion from the inside of that which is often stagnant—in other words, an exchange of air. This is readily accomplished as long as the outside temperature comes near the one desired inside, and when even lower if we have the benefit of bright sunshine when regular ventilation takes place. But in cloudy weather with a lower temperature, when we may be able to maintain the proper temperature with closed ventilators without fire heat, we need the help of the same to effect a change of air, if we do not wish to chill and check the plants in their growth. Now, would it be economical to save some expense in heating when the plants may suffer twice that amount for want of fresh, pure air? We should always bear in mind that the first object of ventilating is to supply fresh air; secondary but in conjunction with this is the help it gives in regulating the temperature.

We have also other ways of regulating temperature. In summer we shade and use the cooling evaporation of water, in winter we use fire heat; but fresh air we must have at all times and supply it at all times through the same channel. It is hardly necessary to remind how the carnation delights in a fresh buoyant atmosphere, and how they turn soft, sickly and yellow in a close one, and thus fall an easy prey to parasitic diseases.

As I have said before, we commence to raise the ventilators when the inside temperature rises above 60°, in all kinds of weather, cloudy or sunshine, warm or cold, often when as low as zero but with bright sunshine, and the ventilators are in a condition so they can be raised, that is, when they are not frozen fast, providing we can sustain the inside temperature to the proper degree with fire heat.

It is not necessary in severe weather to have the houses open for a long time; a change of air is quickly effected; we generally open two to three inches, an hour or two over noon time, or open quite wide for five or ten minutes. Many may think that is a sure way to chill the plants. I would think so too with houses narrow and low, but ours are high and roomy and the ventilators open at the ridge. The cold air entering will be thoroughly moderated before it reaches the plants; when not blown in by a gust it will pass down along the damp glass, striking the heating pipes on the sides of the walls, distributing through the lower strata of the house and pushing the impure stagnant air up and out. Such a change is quickly effected with no injury to the plants and only about 5° fall in the temperature. Notice the atmosphere in a house that has not been ventilated for a day or two; the air is heavy, your breathing is oppressed, and then notice it again after a quick change, how light and delightful the air feels and breathes; the plants will feel just the same way. It must be very severe weather before we omit ventilating for one day.

The carnation adapts itself very readily to the winter culture, but we must never forget that it is a plant of the temperate zone and as such it requires a moderate temperature and an abundance of fresh, pure air.

A close observer will notice two peculiar characteristics in the carnation. The plants show their greatest activity late in the afternoon and evening. When the sun sets the buds commence to open, and there are visible signs that the plant is at work, building new cells, extending its growth; the luster of vitality is spread over it. Incited by the warmer day temperature it begins when the temperature is cooling down. These are all unmistakable signs as to what temperature the plants require. But this knowledge is often misunderstood and leads to carelessness. Now, suppose the temperature has been all day from 65° to 70° and the outside temperature is 40°. When the sun sets and the ventilators are not closed in time and no fire heat is ready, the temperature will drop in a short time to 50°, even before the sun has set in the west. What effect this sudden drop below the night temperature will have on the plants during their most active time cannot be misunderstood. That means to close the ventilators in time, have fire heat ready, so the drop from the day to the night temperature comes gradually and reaches the average point, say about at 8 or 9 o'clock. After midnight it may drop two or three below 55°.

The other characteristic peculiarity is the working of the plant in daytime and especially so on sunny days. This is of a more delicate nature, for it is the working in the expanded flower for reproduction, producing seed. No fertilization will take place in a temperature below 60°. With this I wish to remind what day temperature the plants require to keep them in their routine action for a full day, and to point out the error of many who attempt to grow their plants in too low a temperature.

I notice in the WEEKLY FLORISTS' REVIEW that Messrs. Bassett & Washburn are the happy possessors of a red-flowered Mrs. G. M. Bradt. I regret to destroy the illusion of it being the only one, for any possessor of a dozen or more plants may find them among his. This variety sports very easily. The color of the red flower is the same as the stripes in the normal bloom. It is not unusual that we cut often a dozen at a time in a house filled with this variety. They appear here and there but are never constant, and for this reason I have never tried to set the sport and cultivate it separately. The flower is of equal form and size as the striped ones, only of a pleasing soft red, a not unwelcome addition to this excellent variety.

FRED DORNER.

LILIES, CARNATIONS AND STONE WALLS.

Several questions come from Sparta, Wis., and are as follows:

"First, about Easter lilies. Our earliest lot got a start and have continued to grow in spite of the coolest treatment we could give them. Now, however, we are able to keep them just above the freezing point. They are from twelve to twenty inches high. If we continue to keep them cool can we keep them back for Easter?"

Yes, I think you can if you will keep them down to 35° to 36° at night and not over 40° to 45°, if possible, by day. Remember that if you keep them very cool they will not need as much water as if growing fast.

"Those potted later were left out till within a few days ago when our below zero weather arrived. On examining them we were surprised to find no top growth and scarcely any root growth. We thought

the pots ought to be quite full of roots. Is it right to bring them into the greenhouse and excite top growth with so little root growth?"

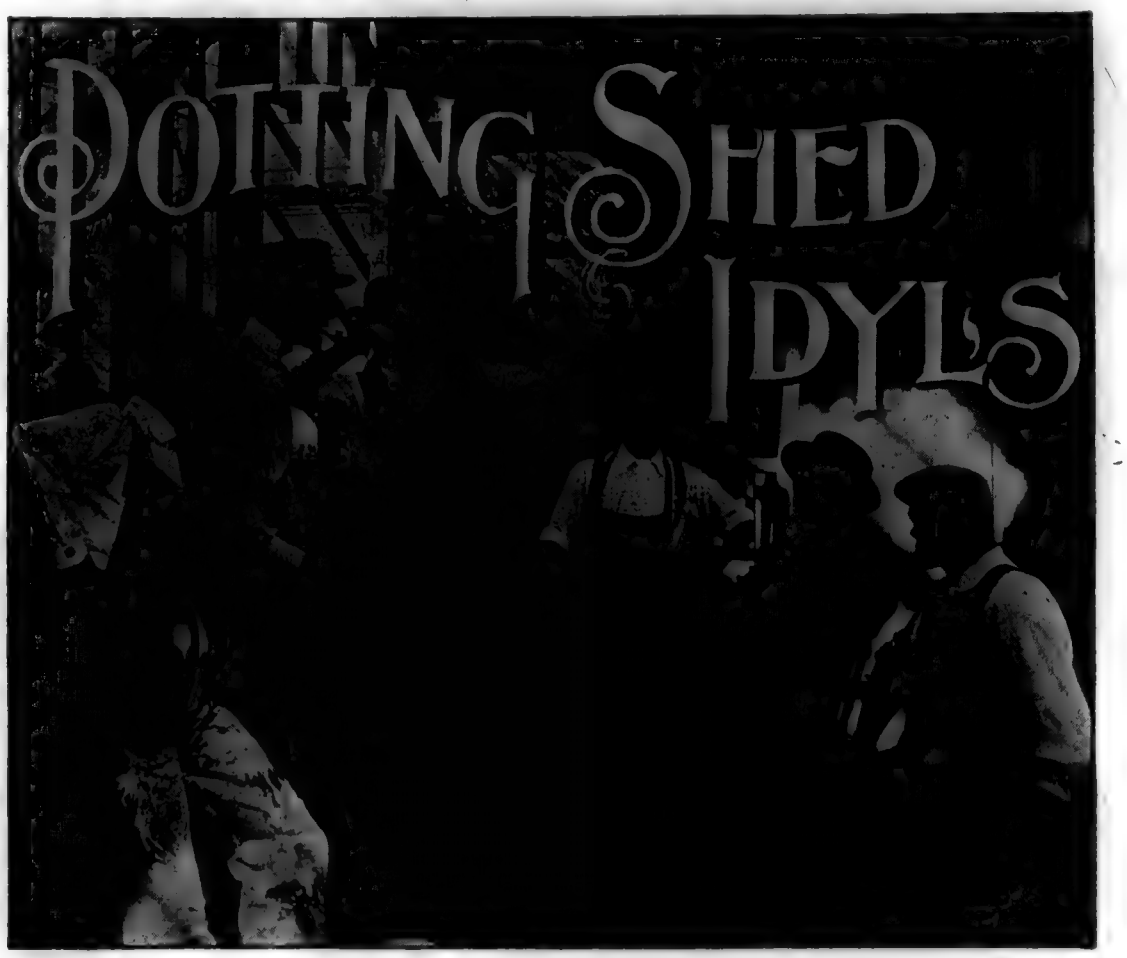
It is not easy to explain why your later potted lilies have made no roots. Either you potted them very late or you have kept them dry and they have never got a start. It will do them no harm to start them growing in the greenhouse. Many lilies that are forced are never put outside at all. They are potted and started in the greenhouse. This treatment would be fatal to a hyacinth or tulip, but with a lily it is all right. They will make growth and roots together. Don't give them too much heat at first; 45° at night will do nicely till they are well rooted.

"In the matter of rust on carnations would you advise keeping every leaf picked off as soon as it shows traces of disease? We have been doing that and the result is plants quite bereft of lower leaves. The varieties are Daybreak and Silver Spray, and not yielding many or strong stemmed flowers. Does it weaken the plant more than the disease if allowed to run its course? Would you advise propagating from our own plants? We had quite an outbreak of the rust soon after housing, scarcely a plant or variety escaping some trace."

I have seen instances within a few years where the rust has been allowed to have full swing, nothing done to check it, and in two months it utterly destroyed the plants. To denude the plant of its leaves must weaken the plant, and how can you expect good flowers from a plant that has lost a large part of its leaves. The two varieties mentioned are unfortunately the worst of all for rust. Daybreak we cannot do without and with it the rust must be fought. Poor old Silver Spray is played out. In most parts of the country it has lost all vitality. Wise men from the East as well as the West have come to the conclusion that all the cures for the rust yet discovered are about as bad as the disease and depend more on keeping the plants healthy in the field, lifting early, cleanliness, and care inside, with heat and air in abundance, etc., than they do on any of the antidotes for killing the rust.

In your case I would say pick off all leaves showing traces of rust and weekly syringe with one of the copper mixtures. The ammoniacal mixture is as good as any and easily made. This will certainly hold the rust in check. Sulphur painted on your hottest steam or hot water pipes will also help to prevent further spread of the rust. By all means get a clean stock of Daybreak for your next winter s crop, and throw Silver Spray away, there are others so much better. Flora Hill is a grand white, is with me free of rust and a wonderful flower, "and there are others."

"How would stone walls be for greenhouses in this climate?" If you have plenty of good building stone that would cost you little they would make a most substantial wall. But even the building of it would be expensive. You cannot build a stone wall less than fifteen inches thick and it takes a lot of material to lay it up. If the stone was small I would rather break it up, gathering all the small rubble stone to be had, and make a concrete wall; one foot would be thick enough, using two-thirds of sand to one of cement. That would be cheaper, warmer, neater and a better wall in every respect than one made of large stone laid up with lime. William Scott.



OUR ANIMAL FRIENDS.

The Lonesomehurst potting-shed assumed quite a festive appearance the week before Christmas, when the "old man," who had a frugal mind, brought in from the woods great loads of laurel, hemlock and cedar, to be made into wreathing. Consequently all hands spent the evenings in making up evergreens, instead of spending the time, as usual, in harrassing the unfortunate night fireman, and educating the parrot. This evil bird which bore the name of Marmaduke, had lately returned to the potting-shed after a brief promotion to the house. He had formerly been free of the palm houses until, one morning, the boss was amazed at the sudden disappearance of a batch of speciosum lilies. The pots were there and the soil was there, neatly smoothed over the surface, but the bulbs were not. It was obviously impossible for the parrot to have eaten them, but the guileless manner in which Marmaduke sat upon a cycas stump, while the "old man" with many horticultural observations, hunted for the missing bulbs, aroused suspicion. The bulbs were discovered sometime afterwards, carefully interred in the tanbark surrounding some palm pots, "showin'," as Jaggs observed, "as that there blessed bird had his own notions about forcin' bulbs." Marmaduke did not long remain in the house, his conversation being regarded as rather unsuited for polite society, and he was returned to the potting-shed coterie.

"The missis says to me," observed Jaggs, as he tried to get the kink out of a length of wire, "as that there bird must 'a' been 'round with some chap as used language' and I says to her, 'what could you expect, ma'am, when the boss went around huntin' for them bulbs and sayin' just what he thought, with Marmaduke right there, hearin' every word? 'Course the poor bird thinks as how it must be all right.' So she says as I'd better take the bird where he belongs. Hey Marmaduke, old chap?"

Marmaduke responded by hanging head down from a gates ajar frame hooked to the rafters, at the same time eliciting a sudden howl of anguish from the night fireman, by plowing up the victim's scalp with his iron bill. When the temporary excitement had subsided, Jaggs observed, thoughtfully, "Strange, aint it, how much them birds will learn. Not as a parrot is ever up to a talkin' mina, like that bird as I had when I was gardener to the Rajah."

"That was where you tried to give that athletic tournament with the Rajah's white helephant for a side partner—sort o' 'Rabian Nights gymkhana, wasn't it?" inquired Tommy Atkins with a grin. Tommy always insisted that his name was Talbot Smythe, but as he had upheld the honor of the British army in several quarters of the globe, finally retiring from Halifax without consulting the commander-in-chief, he was affectionately christened Tommy Atkins, a name more in harmony with his character than that of Talbot.

"As I was sayin," observed Jaggs, with a withering glance at his interrupter, "them there minas is as smart as they make 'em—'andsome, velvety black birds, with big yellow wattles and yellow legs. 'Course I give him a good eddication. The Rajah says to me, when he see what

that bird know, 'Jaggs,' says he, 'If I 'ad your talent I'd be something more than just a bloomin' Rajah.'"

Jaggs broke off to fill his old pipe with very rank tobacco, while the others coiled up a long garland of laurel wreathing. Then he continued:

"One day that there bird disappeared. The Rajah was all broke up about it, and we all turns out to hunt him up. Seemed as though he'd got out in the jungle, and the natives all say as the wild birds will kill him. I knows better than that, but I feel a bit uneasy myself. Well, we don't see nothink o' the bird for two or three days, and we give it up. Well, a few days later—maybe a week—I has to go to a village where they had some orchids for us, and I was just joggin' along through the jungle road, when I come to a clearin' with a big banyan tree in the middle. There I see a sight as pretty near took my breath away. There was my mina, on the top branch o' the banyan tree, lookin' as pleased as Punch to see me, and there, on the lower branches, was a whole flock o' wild minas—I guess there was a hundred of 'em. And what do you suppose my bird was doin'?"

There was a breathless pause, only varied by a hoarse crow from Marmaduke, who had been endeavoring to drop a lump of coal down the back of Tommy's neck. Jaggs affectionately shied a lump of peat at the parrot, and continued—

"That there bird sat up there with them wild birds ranged around like a class o' Sunday school kids, and blessed if he wasn't a trying to teach them to sing 'God save the Queen!'"

There was another pause, while the stunned auditors tried to recover their breath, and then Jaggs continued:

"I might 'a' made my fortune out o' that bird; there was a chap as run a sing-song place down in Meerut as would give any money for him, but I give him to the Rajah's butler when I left. I used to feel pretty homesick when I think about that bird after I get to Australia."

"How did you get to Australia? Did you walk?" derisively inquired the young man who had graduated from a horticultural college.

"I s'pose that's your usual way o' travelin'," observed Jaggs, calmly. "That is, when you ain't able to get a lift on a freight train. But when I go as botanist to an explorin' expedition, there ain't nothink too good for me. Ever been in Australia, any o' you chaps?"

"I was there, afore I chucked the harmy," observed Tommy Atkins, briefly.

"I never see such a blessed lot o' freaks as I run across there. You should 'ear the carpet snakes of an evenin', cooin' away like a whole dovecote—"

"That's enough," observed the horticultural graduate with deep scorn. "Maybe the fellows can swallow that yarn about the bird that sang 'God save the Queen,' but I like to draw the line somewheres, and I draw it at cooin' snakes."

"You know, Johnny," observed Jaggs, in a tone of friendly sympathy, "us fellows is always willin' to make allowances for a poor chap as took a course in 'orticulture, 'stead o' servin' prentice in a real garden. Just you listen to us, and yer faculties will be reg'larly drawed out. Well, as I was sayin', just wander outside at twilight, anywheres in West Australia, and you'll hear the snakes cooin' away till a pigeon-show wasn't in it—"

"I s'pose they was tryin' to combine the wisdom o' the serpent with the heloquence o' the dove," observed Tommy cheerfully.

"They wasn't much like doves, except in their voices," observed Jaggs, "for rattlesnakes is innocent infants along side o' them. Just let one o' them cooin' chaps bite you and you was a subject for a gates ajar inside of an hour. But the land crabs was what struck me most; big chaps the size of a wash-basin, with claws like ice-tongs. Say, when one o' them chaps came dancin' over near me, his eyes stickin' out like props, and his claws rattlin' like a Salvation Army tambourine, I wished there was a telegraph pole to climb. Not but what them crabs was harmless enough."

"I s'pose they was the pet of all the children," remarked the night fireman, who was modestly rubbing a brass oil-can in the rear.

"I don't know as I'd call 'em improvin' society for the kids," said Jaggs, "but there was a chap I knew, on a sheep farm, as tamed a pair o' them, so as they'd do for watchdogs. Just let a stranger come into the yard, and them crabs would rush out, snappin' their claws, and wouldn't let him come inside the door till the boss came around. Punch and Judy was their names, and they'd come runnin' as fast as their six legs 'ud carry 'em, whenever he whistled to them. They— Say, Johnny," suddenly breaking off, "do you happen to have any idear what you're tryin' to do. I s'pose that's somethink you learned at that bloomin' college!"

All eyes were turned upon the unfortunate collegian, who was always called Johnny because his given name was Mortimer. He was discovered in the act of putting a backing of dagger ferns upon a star frame which was to be covered with holly, and became so uneasy under the enthusiasm displayed by his companions that he subsided without a single question on the subject of land crabs. Tommy and the Scotch propagator began to gather up the wreathing, and by the time the "old man" dropped in to make his final inspection, the shed was vacant except for the night fireman, who, with Jaggs's talking mina in mind, was trying to teach Marmaduke to sing "Rosy O'Grady," with very indifferent success.

NEW YORK.

Chrysanthemum Committee.

There were no seedling chrysanthemums presented at the N. Y. Cut Flower Co.'s rooms to be judged by the National Chrysanthemum Committee last Saturday. Evidently Mr. Grove P. Rawson's W. H. Chadwick was the last for this season, but the committee was on hand for emergencies.

Mr. Eugene Dailledouze was of the opinion that there had not been the quantity of former years (this was, perhaps, accountable to the fact that two of the former largest exhibitors of seedlings, Pitcher & Manda and Thos. H. Spaulding, having retired from the business), though the quality was quite up to the average, and considered the three best exhibited to be Frank Hardy, white; Pennsylvania, yellow; and Autumn Glory, pink.

A vote of thanks should be tendered to the committee, Mr. Ernst Asmus and Mr. Eugene Dailledouze, who have expended considerable of their valuable time in judging these novelties during the season.

Signs of Xmas.

Christmas trees are already to be seen on the docks, and something like 200 cars will arrive during the season, prices ranging from 25 cents up to as high as $10.00. Most of these come from Maine, and are well formed and shapely trees.

The Market Project.

The idea of forming a market patterned somewhat after the famous Covent Garden, took tangible form last Wednesday, the first of December, when a meeting of plant growers, called to meet at Lynch's restaurant, organized themselves into the "New York Market Florists' Association."

When the meeting was called to order about thirty growers were present, twenty-nine Jerseymen and one Long Islander. Mr. W. F. Koenig and Mr. J. Withers were respectively president and secretary pro tem for the meeting.

At a former meeting held Nov. 17th a committee containing the following prominent growers: Mr. J. Nichols, (chairman), Mr. H. C. Schaefer and Mr. G. Dietz, was appointed to see the comptroller and Mr. O'Brien, superintendent of Clinton market, and get information with regard to space, stalls and prices for same to be rented individually or collectively as an organization.

Before the business of the evening was discussed Mr. J. H. Rapp, representing the city, escorted the members present through the market and disclosed the fact that there were sixty-five stands or stalls averaging each about 100 square feet, thirty-two of which fronted on Canal and West Streets.

On returning Mr. Nichols as chairman of the committee made his report, saying he had been somewhat handicapped by the fact that on Jan. 1, a new administration would have control and that the present one was seemingly unwilling to make any contract. Mr. Rapp, however, volunteered the information that the price of stands would range from $1.00 to $1.25 and $1.30 per week according to location. In answer to a question he said he could not give price of the whole of the vacant stands; sidewalk privileges rent with the outside stands and there was in the neighborhood of about 8,000 square feet in the combined space to let.

After this there was an animated and desultory conversation among the members present, in which Mr. Nichol became

reminiscent and Ex-Alderman Morris aggressive and Messrs. Birnie and Rose also took a hand. A motion to table the whole thing till March, by Mr. Nichols, was voted down and the organization to be known as above was formed with the following officers elected: Pres., F. Lehnig, Hackensack, N. J.; Vice-Pres., A. Schultheis, College Pt., L. I.; Sec'y, A. D. Rose, Jersey City, N. J.; Treas., H. C. Steinhoff, W. Hoboken, N. J. The first Tuesday in each month was selected for time of meeting and Lynch's restaurant the place. Those promising to take stalls subscribed $1.00 towards the association.

The following were among those present: J. Birnie, C. Dietz, F. Lehnig, A. Schultheis, W. F. Koenig, H. C. Steinhoff, A. D. Rose, P. F. Daly, J. Pierson, E. J. Elliott, Julius Roehrs, F. Engel, A. C. Schroeder, Leach Bros,, Alfred Funke, P. Riess, W. Baencke, W. Barth, J. Nichol, Fred Wackenhats.

Among the Wholesalers.

Trade among the wholesale men is scarcely what it ought to be at this time of the year and if roses were in crop instead of "off" a big glut would be the result. As it is these are realizing all the way from $15.00 per 1000 to $15.00 per 100. Good stock always commands good prices, and Brides and Bridesmaids are the most sought after though Beauties continue to hold their own, price somewhat lower for the finest stock however. Fancy stock outside of Beauties realizes $12.00 to $15.00 per 100 while President Carnot, extra choice, sell readily in small lots at $2.00 per twelve. Violets are about the same; some extra "Up the Hudson" stock, however, finds ready sale at $2.50, several consignments being re-shipped to Chicago during the week.

Mr. Benjamin Dorrance, of Dorrancetown, is shipping some splendid Meteors in to Thomas Young, while Millang & Co. are handling some excellent smilax and cycas leaves.

Among the Retailers.

Last week I mentioned that the retailers' windows were a feature, and splendidly kept up. I hope to describe weekly one of these. Chas. Thorley, the Broadway florist and as well known as Huyler and Brentano, was undoubtedly the pioneer in this line. His window is about two feet up from the sidewalk. Along the front is a double row of 4-inch Adiantum cuneatum, next alternately Dracæna terminalis grandis and Azalea Empress of India, the whole backed by Azalea Vervæneana, Poinsettia pulcherrima and palms in various sizes, Dracæna Neo-Caledonia, and Dracæna Lindenii, fine specimens, standing on the floor six feet deep, reaching to the ceiling, and Adiantum Farleyense suspended from the same, the whole giving a rich and brilliant effect, more so when the electric light is on. The side windows are usually filled with handsome vases of roses, carnations, or whatever flowers are in season.

New York Cut Flower Co.

At a special meeting on Monday of the directors of the New York Cut Flower Co. the following members were present: J. N. May (President), Geo. W. Hillman (Vice-Pres.), Paul M. Pierson (Secretary), Ernst Asmus, Eugene Dailledouze, F. L. Moore, S. C. Nash, L. M. Noe, John H. Taylor.

Seed and Bulb Trade.

All surpluses are thinning perceptibly, though Chinese lilies seem to hang somewhat this year. They seem to have seen their day, though several consignments at auction realized $30.00 per 100.

Mr. Eug. Schaettel, the American representative of Messrs. Vilmorin-Andrieux et Cie, Paris, who has been calling on the trade in this country and Canada, reports a very satisfactory trip and the average order taken good. He returns per S. S. La Bretagne next Saturday.

A Snow Storm.

Chief Dun of the Weather Bureau hoisted the snow storm signal last Friday and said same was centering in Chicago, though it moved East stepping off at Buffalo, presumably to visit Friend Scott. Later reports proved that it was the big first edition of the FLORISTS' REVIEW which reached here to-day, Monday. Here's to you, Brother Grant, and "May it be the father of a line of presidents."

Visitors.

John Walker, manager for Robert Craig, Philadelphia; E. Kauffman, Walden; A. Herrington, Madison; H. M. Bradley, Derby, Conn.; J. L. Fotheringham, Tarrytown.

BOSTON.

Mass. Hort. Society.

The regular monthly meeting of the Mass. Horticultural Society was held Dec. 4. In the absence of the president Mr. Sam'l Hartwell conducted the proceedings of the meeting. This meeting was held for hearing reports of committees, establishing prizes, and election of new members. Mr. E. M. Wood, Waban Conservatories, Natick, was unanimously elected a member. Mr. F. L. Harris, gardener to H. H. Hunnewell, Wellesley, exhibited a very handsome and well grown plant of Begonia Gloire de la Reine. This variety is also well adapted for growing in hanging baskets, and from its pendulous habit, free growth and floriferous qualities must be a great acquisition for conservatory and other decorations. The flowers are of a bright pink and produced in such profusion as to almost hide the foliage.

Visitors.

Mr. Comont, representing James Carter & Co., of London, England, paid a flying visit here, previous to his return to England the early part of next week. He reports business as slightly improved, although the seed trade (as last year) seems to be somewhat overstocked. He also reports very favorably of business prospects through Canada; the crops have been good, and in general good in quality, and every indication for a largely increasing business in spring trade.

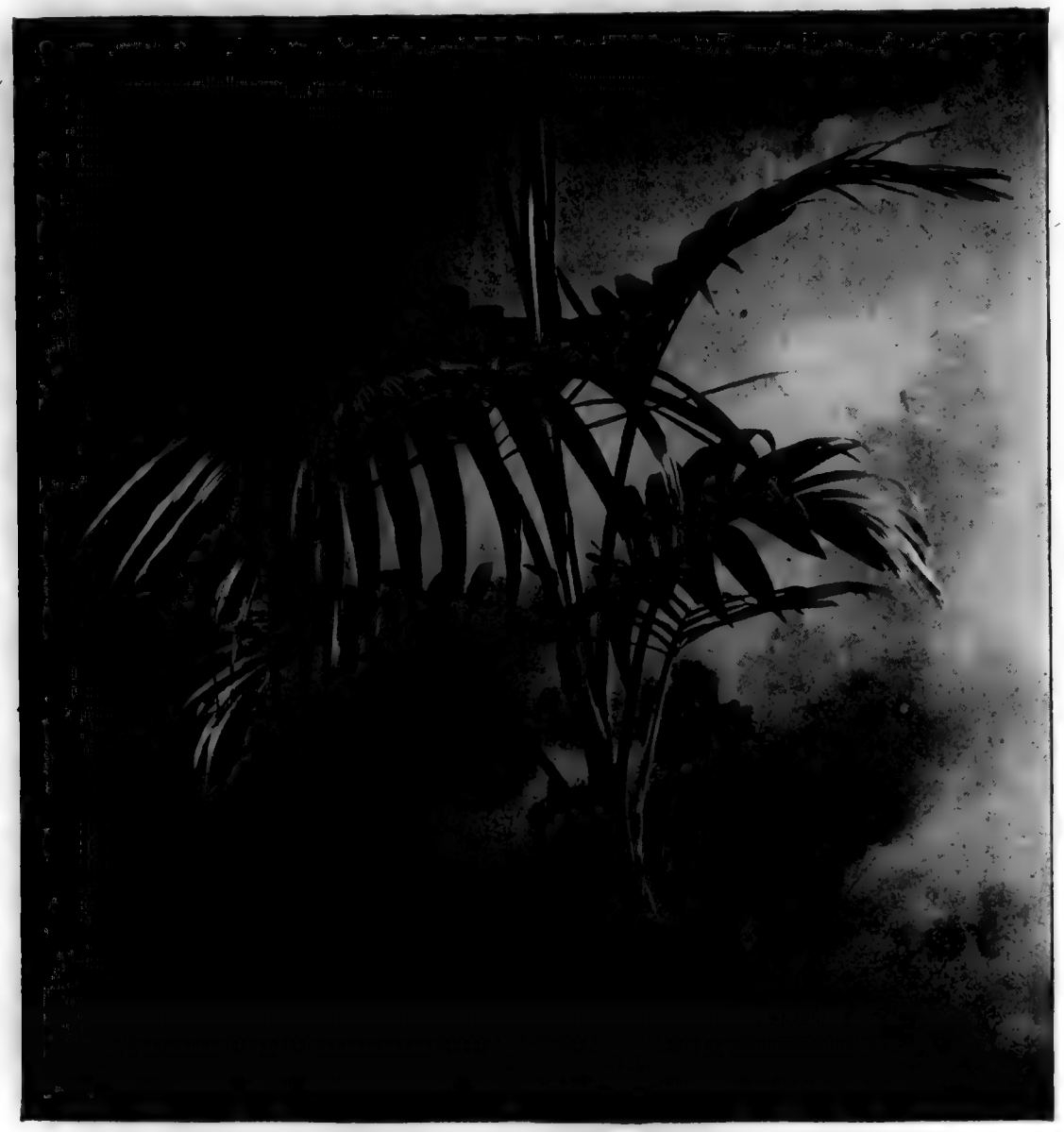
Mr. D. McRory, representing W. A. Manda, of South Orange, N. J., is also in town.

A Surprise Party.

A few of the old representative florists of this neighborhood, and known by the cognomen of "The Old Guard," gave a complimentary dinner to Mr. E. M. Wood, of Natick, of Waban fame. The dinner was held at the Crescent Hotel, Waltham. The decoration of the reception and dining rooms was of a most elaborate nature and conducted under the able and skillful supervision of Mr. Fred Mathison, florist, of Waltham. The rooms, so it is said, were complete tropical bowers of choice palms, crotons of exquisite brilliancy, roses, chrysanthemums, and other choice plants and flowers, and the whole so superbly arranged that the display was most gorgeous and effective.

Mr. Ed. Hatch, auctioneer, was appointed chairman for the occasion, a position which he most ably filled. Mr. Lawrence Cotter was elected toastmaster but through some unknown circumstances was unable to be present hence the two duties devolved upon the chairman who acquitted himself in a most creditable manner. He was ably assisted by the following members of the committee: Mr. P. Welch, Mr. Pettigrew, Superintendent of Parks, M. H. Norton, Fred Mathison, John Galvin, Warren Ewell (the eminent bulb grower of Dorchester), W. J. Stewart, Wm. Edgar, Jackson Dawson, and others; in all about twenty covers were laid.

The dinner was served in a very liberal manner, and the good things of this world, in the shape of solids, were washed down with equal quantities of the very best liquids, which were highly praised and appreciated, as every member of "The Old Guard" is a connoisseur of a high order. The dinner was arranged to take place about 3:30 p. m., and great care was displayed to keep their guest as much in the dark as to the proceedings concerning himself as possible, until the time it should be upon him in all its brilliancy. This is where the surprise was turned upon the entertaining party. After many able speeches by the members of the committee eulogizing their guest's good and generous nature, and the introduction by the chairman, in the most able and flowing language, their guest arose to respond. He drew from his pocket, with all sang froid, several folios, all type-written, with his replies already formed for utterance, then the astonishment or surprise was all on the other side, and in the chairman's comments he said that he liked to hear a convivial speech spoken as from the heart, instead of from cold lead or type, but withal Mr. Wood made a very able reply, and while accepting graciously the high honors done to him, said that his position in the floral world is more owing to his very enterprising foreman and manager, Mr. Alex. Montgomery. During the entertainment an eminent quartette and band discoursed beautiful music and songs to help sharpen the appetite and lead to the pleasure of those assembled for a good time, and we are happy to state that everything went off with eclat. C. H. J.



Kentia Canterburyana.

KENTIA CANTERBURYANA.

This handsome palm will not be new to many of our readers, and while palm cuts do not always do full justice to the species delineated, yet we feel sure that the accompanying illustration will be readily identified, the photo from which it was prepared having been a good specimen of the art.

Kentia Canterburyana, which by the way, has been renamed Hedycepe Canterburyana, is closely related to that favorite palm commonly known as Kentia Belmoreana, but is usually more dwarf in habit than the latter, and has heavier leaf stalks and a stouter stem.

The leaves of this species droop gracefully as the plant attains age, and are divided into many narrow segments, both leaves and stems being dark green, and the plant most symmetrical in habit.

Unfortunately K. Canterburyana is quite a slow grower in a small state, and it has therefore never become a popular palm in the trade. If this species can be induced to progress to a salable size within a reasonable period of time it would doubtless soon find a larger market, the foliage being tough and the plant having much endurance.

W. H. TAPLIN.

ST. LOUIS.

The first issue of the WEEKLY FLORISTS' REVIEW created a genuine surprise in this city, and the verdict of the trade is that it's the only paper. The pictures of our old friends William Scott, President-elect Gude, Adam Graham, and others, were also commented upon. A great many mistook Charlie McKellar for William J. Byran and F. R. Pierson for ex-Governor Altgelt.

In the cut flower line roses have not advanced in value since my last report. Good firsts in Meteors, Brides, Kaiserins, Bridesmaids, and La France are selling at from $5.00 to $8.00; seconds from $2.00 to $4.00. American Beauties, first-class long ones, are sold at $35.00; seconds, $25.00, and short-stemmed ones from $5.00 to $10.00.

Carnations are not plentiful, and bring a good price; the best are $3.00, and some extra fancy go at $4.00. The best sellers are Jubilee, Scott, Daybreak, and Eldorado, and many kinds of white.

Harrisii and Romans are only few and seem scarce. The former bring $15.00 and $18.00, and the latter $4.00 per 100. Paper whites and valley are good and sell at $4.00. In violets, the Californias are in best demand at $1.50 and $2.00; double scarce at $1.00; single (home grown), 40 cents, and Southern 25 cents. Smilax is plentiful and is selling slowly at $10.00 to $15.00.

The retail trade is only fairly good and a great many of the retail florists about town complain that their business has fallen off considerably as far as selling good first-class stock. A Cheap John store down town is content with the old motto: "Quick sales and small profits." They have the best location in the city and also a handsome store and could ask the best prices and get them, but were selling roses on Thanksgiving Day at 35 cents per dozen and carnations at 25 cents per dozen. They were rubbish in the eyes of a florist, but the public seemed satisfied. The wholesaler at the same time asks the retailer $2.50 and $3.00 for carnations and from $4.00 to $8.00 for roses. Not saying that they were not worth the price they ask, but how can we compete with the man who handles the rubbish? The only way out of this is for the grower to keep his rubbish out of the market or take less for that he calls his first quality stock. This same Cheap John concern is not spending its own money, but has a good backer who knows nothing of the business. How long they can pull the wool over his eyes remains to be seen.

In the West End it is different. They all seem to be doing a good business and can't use any of the so-called rubbish. They handle only the best of stock, get good, fair prices, and the public seems satisfied. The same thing could be done down town if things were so the grower with rubbish would have to go to the dump pile or grow better stock and get good returns. You can't educate the flower-loving people of St. Louis into buying rubbish. You may do it once, but they never come back. The old saying is, "Give a fool rope enough and he will hang himself, and you will not have to wait long to see the hanging."

I am happy to note that the Chicago Bowling Club will pay us a visit next Sunday (December 12), for a return game at bowling. Well, boys, we will give you the best we have got and try to return the compliment if it's in our power to do so.

This reminds me of something that happened a few days after the St. Louis bowlers came back from Chicago. It was a contest between a Chicago drummer and a St. Louis florist as to which of the two was the best liar, and it was won by the St. Louis man. He began by saying, "There was once upon a time a bowler in St. Louis — " whereupon the Chicago drummer gave up the contest, saying no one could tell a greater lie than that.

The Ohio Valley Floral Company at 20 South Broadway closed its doors last week, and was reopened this week by Mr. and Mrs. Thoman. The firm is known as Holmes & Thoman.

At the next meeting of the Florists' Club the following applications will be presented for membership: F. W. Weber, with F. C. Weber; Andy Hoffman, with George Waldbart; and Will Adles, with Ayres Floral Company (better known as the big three); also Andrew Meyer, Jr., Mr. Meinhardt, and William Lingenrink.

Al. J. Bauer, of the Mound City Cut Flower Company, had an exciting adventure with a large mastiff dog who was stealing his chickens at his home, 5829 Cates avenue, last week. Al. was aroused by his wife, who heard the noise. He grabbed his pistol, and clad only in his night robe, ventured out in the cold night and shot the dog, at least he thought so, not knowing what a good shot he was until the next morning, when he found the animal dead on the back porch. Al. is now going to join the St. Louis Gun Club.

Last Saturday night Mr. C. W. Wors gave the trade an opening at his new location. Some thirty florists were present and found everything they wanted to eat, drink, and smoke. The company was entertained by John Morris and Charles Richards, two of Mr. Wors' employes, with songs and dances. Songs and humorous stories were contributed by Fillmore, F. Ellis, Beneke, and others. Mr. Charles Thoenle presented Mr. Wors with a very handsome basket made of all kinds of vegetables. The crowd stayed until the small hours in the morning. Before they left Mr. Wors thanked them all for their entertainment. We had a great time and everybody went home happy.

The Bowling Club on Monday rolled its usual three games. The boys all seemed in good trim and feeling happy to think that they will have another chance to meet their enemy, the Chicagos. Charlie Kuehn especially covered himself with glory in the three games; he rolled 671. His high single scores were 216, 246 and 209. Emil Schray was second, 578; his high single score was 257; and C. C. Sanders third, 521; high single score 237. After the rolling a committee was appointed to make arrangements to entertain the Chicago Florists' Bowling Club, who will be here Sunday, Dec. 12th, to spend the day with us. The committee was ordered to do everything in their power to entertain them, but don't let them beat you on your own alleys.

J. J. B.

BED OF BEGONIA ERFURTAE.

The bed in the central foreground of the accompanying engraving is filled with Begonia Erfurtæ bordered with Alternanthera latifolia. The begonias are considerably taller in the center of the bed but this is purely the result of accident. Mr. Stromback thinks that in making up the bed the best soil was thrown in the center and not afterward distributed throughout the bed. The accident certainly adds to the effectiveness of the bed.

This begonia is grown from seed which is sown the latter part of February or early in March in a very light soil composed of leaf mold and sand. The seed is very fine, and after the surface of the soil is smoothed the seed is sown very lightly and thinly, then pressed into the soil and very lightly covered. The soil should be moderately damp before sowing and afterward lightly sprinkled with a Scollay sprinkler. Water from the rose of an ordinary watering can would wash all the seed to one side. A pane of glass should then be placed over the box, resting right on the box, and the box placed in a temperature of 65 degrees. For the first few days it must be shaded from the sun; a newspaper laid over the glass will answer. When the seedlings appear the glass should be raised and air given, being still shaded from the sun during the middle of the day. As growth advances more light should gradually be given.

About three weeks after sowing they should be pricked out in a flat of soil such as they were sown in, in rows about half an inch apart and about a quarter inch apart in the rows. They will be too small to handle with the fingers. Use a goose quill cut like an old-fashioned pen, but with a V shaped opening in the end to admit the stem of the tiny plant. Prepare your flat of soil, smooth the surface and draw the furrows a half an inch apart with a penknife against a straight edge. Then with the goose quill lift the seedlings out of the seed box and place in the furrows about a quarter inch apart. When a few rows are in position water with a Scollay sprinkler, which will settle the soil around the little plants. Glass should still be kept over them, but raised a half inch on one side to admit air. Give same temperature and light as before, and give partial shade in middle of the day when sun is strong. As growth advances give more air, less shade, and eventually remove glass entirely. If soil should become green or crusted it should be loosened to admit air.

When the plants have four or five leaves they should be shifted into thumb pots, placed on a bench, in same temperature as before and watered moderately. When well rooted in these they should be shifted into a 2½-inch and later into a 3-inch or 4-inch, using same soil. It is a fine rooted plant and requires soil named to do well.

They can be bedded out early in June and planted about 10 inches apart. An even moisture must be maintained in the soil. Water in the morning so the foliage can dry off before night. The plant is a continuous bloomer and very satisfactory as a bedding plant. The flowers vary from light pink to nearly white.

The border is Alternanthera latifolia, one of the tallest growing alternantheras, and is a very suitable height for bordering a bed of these begonias. The foliage is dark brown with a little rose color. It is propagated the same as Alternanthera paronychioides major.

At the left is seen a bed of the semi-double red geranium Bruantii. It is a strong grower and good bloomer. There is a double border, the inner one of rose geraniums and the outer one of santolina. The contrast in size and color between the two makes a very pleasing effect.

BED OF BEGONIA SCHMIDTII.

The accompanying engraving is from a photograph taken last September of a bed of Begonia Schmidtii in Lincoln Park, Chicago. Mr. Stromback, the head gardener, considers this decidedly the best bedding begonia, and is very much pleased with it. It blooms continuously and with great freedom all summer, clear up to frost. It is also one of the freest blooming begonias inside in winter. When bedded out the plants grow to a height of a foot to a foot and a half. Grown inside the flowers are a light pink and foliage light green, but when bedded out the flowers are much darker and the foliage turns a reddish brown and becomes very glossy.

For bedding plants it is propagated in February by cuttings taken from shoots of the younger growth from the bottom, with an eye on. Cuttings must not be taken from the top shoots, as they go all to flowers and do not make a plant. The cuttings are put in sand in a temperature of 60 degrees, and a little bottom heat will make them root quicker. Water sparingly, and in fifteen to twenty days they will be rooted, when they should be potted in 2¼-inch pots, using the same soil as mentioned for Erfurtæ. When well rooted in these shift into 3-inch, and later into 4-inch. The plant is bushier than Erfurtæ, making a larger cluster at the bottom, and should be bedded fifteen inches apart. Water same as prescribed for Erfurtæ.

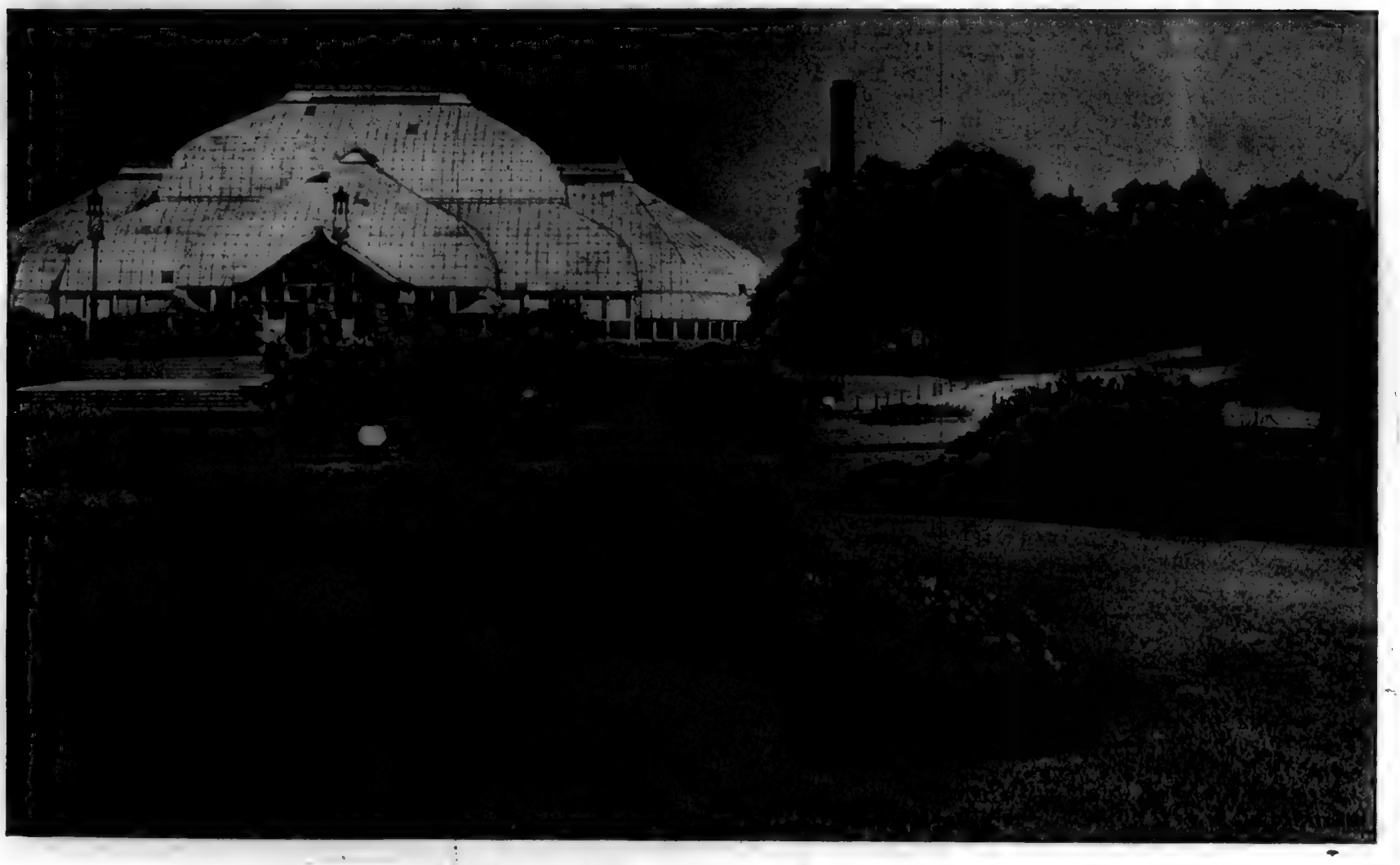
Mr. Stromback's experience is that this variety does not come true from seed, but it propagates so readily from cuttings that this is the most economical way of producing plants.

BUFFALO.

Business must be called decidedly quiet the past week. No buds, no splices, no "notings." The calm has begun before the storm, and the storm I hope will be a cyclone of orders and good business for Christmas. Greens and holly are now discussed where florists do congregate. The former is likely to be good and plentiful. Holly, we are assured by a Southern shipper, will not be consigned to the Northern commission markets this year. We hope not; for the past few years it came in by the carload and everybody handled it. One man says in his letter of solicitation for trade that his boxes are made of clear pine lumber, surfaced on both sides, and substantially made. Possibly these extra trimmings make up for lack of berries.

The President's message is in this evening's press (Monday). He is in favor of annexing the Sandwich Islands (so much easier to pronounce than Hawaii). I trust there will be enough sensible men in Congress to prevent this Jingo un-American policy. Think of the consequences. They would flood the country with poinsettias, orchids, passifloras, and a general assortment of epiphytes, and some Smart Aleck would go over there and start a palm garden and shut up our large Eastern growers. Let them remain as they are, happy in the cultivation of sugar cane and fig leaves and other textile fabrics which the climate demands.

There are plenty of flowers. Carnations good, roses fine, especially those that waft their way over the Niagara gorge. Violets are scarce, but I object to the remarks of a correspondent of a contemporary that Corfu is a desert; not by a jug-full. I will take that large blonde one some day and convince him that there is an occasional oasis in the desert.



Bed of Begonia Erfurtae at Lincoln Park, Chicago.



Bed of Begonia Schmidtii at Lincoln Park, Chicago.

If new and stylish stores are an indication of business, then we are booming. Mr. Thrall, originally of Jamestown, opens up to-morrow his store on Main street, near Chippewa, which is said to be a corker, no expense spared in any feature. The ice box is large enough to hold a horse show, and everything in keeping, not only in size but taste and finish. We expect Thorley will be up next week to get a few points.

Mr. Harry Millatt, late and for some years with Grove P. Rawson, of Elmira, has opened a store on Main street, between Mohawk and Genesee. Harry is well known as a young man of most exemplary character, plenty of experience and business tact, and should certainly command his share.

Most of the visitors this week had something to sell except Mrs. Edwards, of Dunkirk, whose keeping qualities are equal to a Meteor rose. She does not look a day older than the first day I saw her, some twenty years ago, when she could ask questions and put down your answers in long hand as fast as you could talk. She has returned to active business in her greenhouses.

Mr. Mott, of Riverton, N. J., called to pay his respects to one who was laid up with the poor man's gout. Merely a social call and to discuss the outlook of things in general. Close on his heels came brainy Mr. Skidelsky, also of the Delaware region. It was pleasant to know that he was representing (as well as other firms) Mr. Robert Craig. It's good to hear that name up this way occasionally; it produces a thaw in our otherwise austere life. W. S.

ST. PAUL, MINN.

St. Paul sends greetings to the Florists' Review with the hope that its days may be long, its usefulness great, and its success financially and otherwise overwhelming.

"Thanksgiving" trade was good in this city, and business since has been good, notwithstanding the unusual cold wave through which we have just passed. While orders are not for large amounts they are coming in freely and the dawn of better times seems to have at last burst upon us.

Mums in this market are about all gone, though August Swanson is still cutting some excellent blooms. Other stock is fairly abundant. Roses are of good quality and quantity, the only shortage being in Meteors and Beauties. These are being shipped in from Milwaukee and Chicago. Notwithstanding the cry of "hard times" since 1893, nearly every grower in the city has enlarged his plant (some even being double), the total product now being fully fifty per cent. more than four years ago, and still the supply in this market is not equal to the demand. While it is true that prices are somewhat lower than four years ago, still they are remunerative enough to encourage new building with increased facilities for producing stock.

Carnations are in better demand than ever, while the quality of the stock has improved, owing to improved methods of culture, disbudding, etc. Rust is prevalent again, though not to an alarming extent. This enemy must be fought early and late and all the time in order to secure success in cultivation. Of the newer varieties being tried for the first time, Morello easily has first honors, with Jubilee a good second. It seems as though the ideal red had at last been found. L. L. May & Co. have two very promising whites of their own introduction, one being a chance sport of the Daybreak, retaining all the good qualities of plant and bloom of that grand variety; the other was produced by crossing Portia with Storm King. The plant is vigorous, the stem long and stiff, bloom very large, never bursting, of a very firm texture. This is the third season's trial of the former, and the second of the latter. As they improve each season they will probably be placed upon the market another year. This firm has a house of Daybreak containing 1,800 plants which would be very hard to beat.

The demand for violets is much larger than the supply, consequently a great many are being shipped in, those from Milwaukee being very fine. The California is gaining in popularity and should be more largely planted.

Shipping trade is reported very brisk, the demand being for funeral work, wedding and party flowers.

Holly, lycopodium, etc., are greatly in evidence now, these being the ordinary forerunners of Christmas. Green is quite plentiful and cheap this season and festooning is being sold at lower prices than ever before.

Several new stores are noted this season. L. L. May & Co.'s on East Sixth street, Christian Hansen's nearly opposite, Vogt Bros. on West Third in the store formerly occupied by Elfelt, who has retired on account of ill health, Anderson, the Hill Florist, nearly opposite his old stand on Western Ave., J. Haitomt, on Mackeebin street in the residence district. These all seem to be doing a thriving business.

Retail prices now are: Roses, $1.00 per dozen, with $1.50 the top notch for best Meteors, Siebrechts and Testouts. Beauties $3.00 to $6.00 per dozen. Carnations 50 cents per dozen. Violets $2.00 per 100. "Roses at 25 cents per dozen" was a prominent sign in one of the largest stores recently.

The crop for Christmas will be good judging from present appearances. The weather is now mild and bright, conducive to good flowers and plenty of them.

Harrisii, paper whites, Romans and valleys will all be in for the holidays, the former three being in already.

Our recent callers were Mr. Roach, representing J. B. Rice & Co.; Mr. J. M. Kimberlin and nephew of California, and Frank Berry, of Stillwater.

Mrs. James Souden, who was very seriously ill, is so far improved as to sit up, and hopes for her speedy recovery are now assured. X. Y. Z.

BALTIMORE.

We are now having a marked improvement over the gloomy and changeable weather of last week, but, as it is an established fact that florists are never satisfied, I feel privileged to modify the above statement by saying it could still be better. Despite this fact, however, things have brightened up considerably.

The week opened with one of the season's great social events, namely the first German. There were more than the usual number of debutantes, and the stores were all more or less busy, bouquets and cut flowers being in almost double the demand of previous years.

Prices advanced slightly, but have now fallen back to their old place again, and stand as follows: Good roses $3.00 to $5.00 per hundred, Beauties $2.00 to $3.00 per dozen, carnations $2.00 to $3.00 per hundred, violets 50 cents to 75 cents per hundred. Chrysanthemums are now over. A few stragglers are bringing $1.50 to $2.00 per dozen.

Maryland has a much larger number of growers than our brother florists of other States have an idea of. Perhaps the chief reason of this seeming obscurity is that the majority of them do a retail business. We have really very few *strictly wholesale* growers, the balance contributing only their surplus stock to the trade, in consequence of which our commission houses, in the busy season, are very seldom overstocked as stuff finds a very ready market at home. It is more often the case that we are obliged to call upon the other cities for their stock, than to seek a foreign market for our own.

The question is now being generally agitated as to the advisability of holding a show next fall. There is one thing quite evident (and previous experiences have proved it), that the Baltimore public is greatly averse to being "faked," while on the contrary they will appreciate and patronize something good. Now would be the chance to rekindle this spark of public interest, by all hands combining their efforts to give a first-class flower show. Not to confine it to chrysanthemums alone, for the people are tired of seeing the same general mass of "mums" year after year (which can be seen in the windows of any first-class florist's store), but to give them a *variety* in the form of cut flowers, specimen ferns, palms, decorations, designs, etc. On the whole, give them everything that is *floral;* and if this is done under proper management, confining ourselves to the domains of a less expensive hall, and with a decreased premium list, a show could be held which would be patronized, and made a financial success.

Upon a recent visit to Messrs. Halliday Bros'. place, Liberty Road, the writer found their extensive lot of greenhouses in a very flourishing condition. To a large list of standard roses they have added the Carnot, which they find very satisfactory. They are equally successful with carnations, of which they have four large houses. Violets are grown in quantities and a batch of Asparagus Sprengeri (which they are using as a decorative feature) can also be seen. They have recently completed a new potting and packing shed, which connects a range of nine large houses.

Mr. Robt. Paterson, who last week was reported very ill, is now on the convalescent list.

The writer has just seen in one of the stores a large vase of the Baltimore carnation, each bloom measuring about three



Bedding at Lincoln Park, Chicago.

inches in diameter. The Baltimore (which is a seedling of Mr. Conrad Hess) is a darker pink than the Scott, very full, long stiff stemmed, dark in foliage and an excellent keeper.

On November 26th Mr. Jno. C. Wilhelm died suddenly at his residence, 912 North Gay street. Mr. Wilhelm was quite a familiar figure about town, being many years engaged in the retail trade.

CHAS. F. FEAST.

BEDDING AT LINCOLN PARK, CHICAGO.

We present herewith a view of the main parterre at Lincoln Park, Chicago, from a photograph taken last September. The view is from the north and is taken from the terrace in front of the conservatory. The various beds shown will be illustrated and described in detail, and we will here refer only to the row of vases seen bordering the parterre at the left between the trees.

These vases have been a feature of the park for years, and are always much admired. They are simple wooden boxes set on posts, and are not ornamented in any way, the plants and vines completely hiding the boxes. The tall pyramidal effect is obtained by setting a smaller box in the center of the larger one, and elevated slightly above it. The upper box is filled with plants only, while in the lower one both plants and vines are used, the plants being tall enough to hide the body of the upper box. The plants used are geraniums, both flowering and foliage, Cineraria maritima, petunias, double sweet alyssum, Calceolaria annua, verbenas, ivy-leaved geraniums, lobelias, Maurandya Barclayana, tropæolums, vincas, German ivy, and occasionally Lophospermum scandens.

The soil used for these vases is carefully prepared and must be of medium weight, for if too heavy it will turn into mud when watered, and afterward bake hard, and if too light it will not hold moisture long enough. To the regular compost is added one-third of well-rotted cow manure, and then a generous sprinkling of bone meal.

CHICAGO.

In a little over two months the annual meeting of the American Carnation Society will be held in this city. Every florist in this vicinity should do his share toward making that meeting a success. It will be a small matter to each individual if all take hold. And no better initial step can be taken than to join the Chicago Florist Club if you are not already a member. The recent changes in the by-laws have practically abolished the entrance fee and the dues are only one dollar a quarter, thirty-three and one-third cents a month. Is it not worth far more than this to be a member of the representative trade organization of your city. Send in your application. The club needs you. You will assist it to do effective work and you will receive a full share of substantial benefits in return. In union there is strength. Contribute your mite toward making the Chicago Club the strongest in the country.

The Chicago Bowlers will return the visit of the St. Louis Bowling Club, starting from Chicago Saturday evening at 10:15 via the Wabash Railroad. Satisfactory rates have been secured for this trip and all information regarding it can be obtained from Mr. P. J. Hauswirth, 318 Wabash avenue. The party will leave Chicago on the train noted and reach St. Louis at 7:32 a. m. Sunday, where they will be met by a committee of the St. Louis Club. The day will be spent in St. Louis and the party will leave that city on the return at 9:05 p. m., via the same railroad, reaching Chicago again at 7:30 a. m., in time for business Monday.

It goes without saying that the St. Louis boys will make it very pleasant for the visiting party and all who can arrange to do so should certainly avail themselves of this opportunity to experience the famed hospitality of the metropolis of Missouri. In the meantime, it would be well for the bowling contingent to get into good training. While it would not be nice to beat the St. Louis boys on their own alleys, the Chicago Club certainly ought to put up a good, bold front and not allow themselves to be beaten too bad. Certainly these visits between the congenial spirits of the various cities ought to be encouraged, as a fraternal feeling in the trade is engendered thereby.

The Klehm Nursery will have the usual big crop of Gontiers, Beauties and Siebrechts in for Christmas. They seem to never fail to have a full crop in at just the right time to corral the dollars at Christ-

mas. Why can't other growers do it? Have the Klehm boys a "secret?"

Poehlmann Bros. will remove from 24 Randolph St. to 53-55 Wabash Ave., where they will have more satisfactory quarters.

Among recent visitors to the city was Mrs. C. W. Pike, the pioneer florist of Racine, Wis.

In a vase of seedling carnations sent to Kennicott Bros. Co. by Crabb & Hunter, Grand Rapids, Mich., we noted a pink variety that was of much promise. No name was attached. Give it a name, gentlemen!

All the wholesalers report stock scarce and in lively demand. Kennicott Bros. Co. say they never before saw Christmas orders coming in so early.

Franz Danzer, of A. W. Livingston's Sons, Columbus, O. was a recent visitor.

Nixon H. Gano, of Knightstown, Ind., is visiting the trade here.

FLOWERS AT THE HOLIDAYS.

The holidays are approaching and many of the growers are looking forward to this festive season to make up for losses at other times. All will admit that they need a season of good sales at good prices to enable them to strike a fair average for the year. But the experience of many years has shown that the right way to get the most money out of the holiday crops is to keep the stock going to market as fast as it is in fit condition.

Every year is repeated the same old story of pickled stock that would have brought a good price if marketed while fresh but which was held till the day before Christmas and then came in to swell the glut on that day and he sold for a song, or go to the barrel. Every year there is a great scarcity just before the holidays, with prices stiff, and a teriffic slump at the last minute, due to the quantity of stock dropped on the market in one or two days.

It is not only a mistaken policy but a costly one to the grower. Speculating in futures is ordinarily a risky business, but experience has shown that the chances are all one way as regards pickled stock, and those chances are decidedly against the pickler. The inevitable result is loss to the grower and dissatisfaction to the buyer, while the commission dealer catches it both ways.

OUR GENERAL INTRODUCTION.

We are sorry to say that an accident prevents us from presenting group No. 2 this week. It will appear next week, and, probably, group No. 3 also. Keep the photos coming in. We must have a little time in which to prepare the plates satisfactorily.

THE CERTIFICATES.

It will take a week or so to get the issue of certificates to subscribers started in proper legal shape. But every subscriber will receive one inside of two weeks. The red tape of incorporating has taken a little longer than anticipated, but is now nearly completed. We cannot legally issue the certificates until the stock has been issued and placed in the hands of the trustee. This will have been accomplished very shortly, and we can then go ahead.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

530-535 CAXTON BLDG., CHICAGO.

334 Dearborn St.

Eastern Manager:
HARRY A. BUNYARD, 56 Pierce Building, New York.
104 Hudson St.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, $1.00; ⅛ page, $13.00; full page, $25.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertis ements must reach us by Tuesday to assure insertion in the issue of the following Thursday.

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WE WISH we had time to acknowledge by personal correspondence the many congratulatory letters we have received regarding our first issue, but must ask our friends to accept this general acknowledgement as personal. Your commendation is most thoroughly appreciated and will spur us on to greater effort. The paper is still much short of our ideal, but with a fully organized staff we expect to approach it more closely. We shall leave no stone unturned to make the REVIEW as near the ideal trade paper as it can be made.

WE WANT to call special attention to the article on "Park Planting" in last issue by Mr. J. A. Pettigrew. We consider it by far the best short article on the subject yet published. It teaches the highest type of the art. It breathes the spirit of the real artist and true lover of natural beauty. It is honest. It is practical. We have been surfeited by visionary ideals that beclouded the subject, and were probably not thoroughly understood, even by the writers thereof. Mr. Pettigrew has given us in one short article a clear exposition of the true principles of the art. Let us profit by it. And we shall endeavor to induce him to now go more into detail.

IT IS NOT too early to consider the question of attending the next convention of the Society of American Florists, to be held at Omaha, Neb., next August. Indications are that all railroads will make a rate of one fare for the round trip to the Trans-Mississippi Exposition, to be held at Omaha next summer, and that the exposition will be a beautiful one. This double attraction will make the visit to Omaha unusually pleasurable. At the time Omaha was selected as the place for the next meeting, fears were expressed that the attendance would be light, as the western florists did not usually attend the annual meetings in large numbers. Those in the trade in the West will now have an opportunity to show that they are as appreciative of the work of the society as their eastern brethren. Let them turn out to a man and make the Omaha meeting the largest one in the history of the society. It can be done. Why not do it? If the western florists show earnestness in the matter it will stimulate attendance from the East. Let them begin the good work now.

THE PRINTED REPORT of the proceedings of the Thirteenth Annual Convention of the Society of American Florists, held at Providence last August, has been issued. It contains 150 pages, is nicely printed and contains all the essays read at the Providence convention, together with the discussions on same, in addition to a vast amount of other useful information. An excellent feature is a list of plant introductions in America during 1897, including new roses, carnations, chrysanthemums, cannas, dahlias, geraniums, begonias, sweet peas and miscellaneous. This report is sent free to all members of the society. Anyone in the trade can become a member of the society by sending an application and $3.00 to the secretary, Mr. Wm. J. Stewart, 67 Bromfield St., Boston, Mass.

THE FUTURE of the business is looked forward to doubtfully by some and occasionally we hear grave fears expressed. "The business isn't what it used to be" is a common expression. It has a very familiar sound, for it has been heard continuously ever since the trade existed, even during flush times when trade was gaining by leaps and bounds. It is true that for the last few years the trade has suffered, just as all other business has suffered, but the florists' business seems to have felt it less than many others. That the business is still in its infancy in this country there can be no doubt and that there will be an enormous expansion during the next decade is equally certain. We had become so accustomed to a large yearly increase in the volume of trade that we had come to look upon it as something to which we were entitled. We must, however, realize the fact that we have new conditions to face and the wise man will prepare to meet them. We can not succeed by following the methods of five years ago any more than we could have succeeded then by the methods prevailing five years before that time. Conditions have changed and are still changing with great rapidity and we must change with them or be left behind in the race. In last issue will be found a number of articles touching upon this important matter. They should be read carefully and thoughtfully by all.

"CHRISTMAS DECORATIONS."—Under this title W. W. Barnard & Co., Chicago, have issued a very neatly printed little booklet describing and quoting prices on such items as evergreen wreathing, bouquet green, evergreen wreaths, holly, holly wreaths, mistletoe, evergreens from the South, palmetto leaves, wild smilax, needle pines, Christmas trees, immortelles, Christmas bell frames, and all other supplies needed for the Christmas trade. It should be very useful to the retailer.

Many Thanks...

for the flood of congratulations and subscriptions.

We shall spare no effort to fully deserve them.

The General Introduction will be continued next week.

Certificates for subscribers will be ready within a week or ten days.

CUT FLOWER MARKETS.

New York, Dec. 8.

Roses, Beauties, extra special	$30.00@40.00
" " No. 1	20.00@25.00
" " No. 2	12.00@15.00
" " No. 3	6.00@10.00
" Brides	4.00@ 6.00
" Bridesmaids	4.00@ 6.00
" Testouts	6.00@12.00
" Carnots	5.00@10.00
" Meteors	5.00@ 6.00
" Morgans	4.00@ 6.00
" Perles	2.00@ 3.00
Carnations	1.50@ 2.00
" fancy	3.00@ 5.00
Cattleyas	35.00@40.00
Cypripediums	8.00@12.00
Harrisii lilies	6.00@ 8.00
Mignonette	4.00@ 6.00
Violets	.75@ 1.50
Valley	3.00@ 4.00
Adiantums	.50@ 1.00
Asparagus	50.00
Smilax	12.00@15.00

For extra prices and fancy stock see New York letter.

St. Louis, Dec. 8.

Roses, Beauties, long	$25.00@35.00
" " short	5.00@10.00
" Meteors, Kaiserin	5.00@ 8.00
" Mermets, La France	5.00@ 8.00
" Brides, Bridesmaids	5.00@ 8.00
" Perles, Wootton	2.00@ 4.00
Carnations, fancy	2.00@ 3.00
" common	1.50@ 2.00
Violets, single	.25@ 40
" double	.75@ 1.00
" California	1.50@ 2.00
Valley	4 00
Stevia	.25@ .50
Paper White Narcissus	4.00
Roman Hyacinths	4.00
Harrisii	15.00@18.00
Callas	12.50@15.00
Chrysanthemums, fancy	8.00@15.00
" common	.50@ 1.50
Smilax	10.00@15.00
Adiantum	1.00
Asparagus	35.00@50.00

Chicago, Dec. 8.

Such a complete picture of the Chicago market is given in our advertisements that quotations seem unnecessary. You will find up-to-date quotations of nearly every house among the advs. A review of the market conditions will be found in our Chicago news report.

Boston, Dec. 8.

Trade this week has been slow and dull, consequently has resulted in reduced prices. Chrysanthemums are about played out, only a very few first-class being offered. Roses, pinks, violets and valley seem to be the leaders. Below I quote average prices:

Roses, Beauties	$8.00@35.00
" Brides, Bridesmaids	2.00@ 8.00
" Meteors	2.00@ 6.00
" Perles, etc	2.00@ 6.00
Carnations	.75@ 1.50
Violets	.75@ 1.00
Valley	2.00@ 4.00
Paper white narcissus	1.00@ 2.00

HUNT'S REVIEW OF THE CHICAGO MARKET.

Since date of last report (Nov. 27th) there has been no material change in the situation. As predicted by us then, stock has been scarce and of rather inferior quality, judging not by stock shipped but by the run as received from the grower before grading. Had there been any extra calls for stock or had trade been even what might be called brisk, prices would have soared far beyond top notches quoted.

There has not been, nor is there at this w iting, any reserve stock with the growers to draw upon for extra heavy or rush orders. Heavy, lowering weather, with frequent rains, snows and a continuous steady low temperature, not merely local, but extended generally throughout territory tributary to this market, does not meet requirements for flower producing.

Stocks, speaking now not of cut blooms but of the growing plants, are daily deteriorating. This is apparent on entering almost every place. Every grower has a tale of some one house or some particular variety that "isn't doing right" and they can't understand it. We can't either, but just at a venture to hit the most birds with one stone, we will say that less fuel and water and more labor to the square foot of glass might produce better results. This of course is onlya generality and we don't say that it will, but we fancy the word "might" is the right one and used where we use it is worth thinking of.

Without a week of sunshine soon—right now—flowers for the holidays are going to be short in all lines excepting bulbous.

"Mums" in quantities to be depended on have disappeared. Stevia is strong and getting plentiful. Violets are farther and farther between and having hard work to maintain quality. Harrisii are fine and Romans, valley and paper whites are first-class with good stems. Carnations are good, seemingly, however, growing a trifle smaller. Scotts are the most plentiful and whites the scarcest. Reds are coming in more plentifully.

In roses, Testout, La France and Siebrecht are badly off, and Carnots are hardly to be seen. Perles, that have been in best shape of any for so long, are going back. Maids, Meteor, Brides and Kaisers are good. Maids, to prove the rule of contraries, are gaining in color and all four varieties show a gain in quality, the stiffening of stems being marked. The cut is less than it was ten days ago, however. Beauties are shortening up and while generally good many crocked necks appear; lots of one sided buds and variegated foliage also among them.

Holly, the best in years, is to be seen everywhere. Wreathing galore and a brisk trade in cape flowers, immortelles and kindred lines is reported by all. Retailers figuring on large jobs for the holidays may possibly save money and customers by pushing decorative material to the limit. It is plentiful and good this year.

The increase in the price of coal is quite a serious item to the large growers. Mr. Peter Reinberg, of Reinberg Bros., Chicago, says it will increase their coal bill fully $3,000 for the present season.

Meet Us at The Old Stand

Always Open

MILLANG & CO.

Wholesale Commission Florists

48 West 29th St., New York.

Between Broadway and Sixth Avenue.

Jadoo Fibre Grows Prize-Winners

Peter MacDonald James McManus

MacDONALD & McMANUS

WHOLESALE FLORISTS.....

'PHONE, 2778 38TH ST.

50 West 30th St. NEW YORK.

SITUATION WANTED—Young lady with experience desires position in florist store. M. O. B., care Florists' Review.

WANTED—Young man to take entire charge of four rose houses 75 feet long, modern; board on place; state wages. W. L. Hucke, Belleville, Ill.

SITUATION WANTED—By florist; 30 years' experience; good propagator and maker-up of designs. Address Florist, care Carrier No. 2, Ottumwa, Iowa.

SITUATION WANTED—A successful rose grower desires situation as principal grower on large place or as foreman on medium sized one; references given. Address Nixon H. Gano, care Florists' Rev.

FERNS

Four varieties of **Pteris**, strong plants, 3-inch pots, $5.00 per 100; 5-inch pots, $2.00 a dozen, $15.00 per 100. Also **Adiantum Farleyense.**

JOHN WELSH YOUNG,

GERMANTOWN, PA.

Always mention the Florists' Review when writing advertisers.

Send Advertisements

and renewal orders NOW for our issue of December 16. If any changes are wanted, give us as much notice as possible.

We want to make your advertisements as effective as possible.

Holly and Green

It is said there is no trade so sure, so much to be depended on under all conditions as the "Holiday Trade." The demand is sure to be with us again this season and we believe to an increased volume.

In the line of CHRISTMAS DECORATIONS we have prepared for it with an ample stock of

Green in Bulk,
Evergreen Wreathing,
Holly, Holly Wreaths,
Mistletoe, etc., etc.

Does QUALITY interest you in these goods? It should. You will find the BEST QUALITY is that which sells, and in buying, this fact must be constantly considered.
We claim to give you the best the season produces, and are we not in position to do this? The large quantities we handle each year acquaint us with the right sources of supply, enable us to give extra labor and attention to inspection and sorting, the unsurpassed facilities we possess for storing and handling, together with our experience and knowledge of the trade wants, all combine to put us in position to offer you the very best service in this line.
Why take risks? Barnard's brand in these goods signifies the standard of excellence. We will not disappoint you either in quality or prompt service.

Bouquet Green in Bulk

It is necessary to seek new localities for supplies of this article if one is to get the dark green color and bushy growth demanded by the florist trade. Our pickers each season must go farther and farther into the deep woods and swamps which have not been cleared and where the sun does not injure the color. Freights are more from these points but quantity used gives us advantage of carload rates and we can offer this better article at very reasonable and competing prices.

Please write for prices, stating QUANTITY WANTED, and lowest possible quotations will be promptly given.

EVERGREEN WREATHING.

For the convenience of those who prefer to purchase Green ready for immediate use we manufacture large quantities of Wreathing. It is made of selected Green, wire wound, tied in coils of twenty yards each; can be cut to any length without unrolling.

Medium or standard grade, per 100 yds., $ 2.75
" " " " " 1,000 " 25.00

For larger quantities special figures will be given, also for different grades, Light and Heavy.

EVERGREEN WREATHS.

These will be found very salable, and the low price at which they are offered affords a good margin of profit. They are made on rattan, wound on both sides with bright, fresh Green, trimmed with colored Immortelles or Cape Flowers.

Per doz ..... $ 1.20
Per 100..... 7.50
Per 1,000..... 70.00

HOLLY--Choicest Eastern Stock.

Well berried, selected grade, is not in large supply this year. We have contracted from one of the most careful packers and are assured of a good quantity of fine Holly. *Secure your supply early.*

Full-sized cases of 16 cu. ft , per case, $4.75
3 cases for..... $13.00

HOLLY WREATHS.

Made of strictly first-class well berried Holly, wound on 12-inch rattan rings.

Per doz..... $ 1.50
Per 100..... 11.50
Per 1,000..... 100.00

MISTLETOE--Ready Dec. 18th.

Very choice, well berried.

Per pound..... 20c
10 pounds..... $1.80
Per barrel, about 25 lbs..... 4.00

SELECTED CHRISTMAS TREES.

Please do not confound these with the common stock, *cut* to *count* only, which annually flood the market. Our Trees are selected for form, quality, and appearance, under the supervision of our own agent. Write for prices, stating size and number wanted, and we will quote.

SUNDRIES.

IMMORTELLES.—All colors.
Per bunch..... 25c
Per dozen bunches..... $2.50
CAPE FLOWERS.—New crop,
All colors, per 1,000 (1 lb.)..... $1.50
White, per 1,000 (1 lb.)..... 1.00

W. W. BARNARD & CO.,

186 East Kinzie Street, CHICAGO.

Mention the Florists' Review when writing.

Gladiolus for Forcing

In Season Now.
Send for Prices.

Florists' Supplies

Suitable for
the Holiday Trade.
Send for Special Price List.

Our General Wholesale

Seed Catalogue

will be issued about Jan. 1st, 1898.
Send us your address and we will mail one to you.

HIGH-GRADE

Florists' Flower Seeds and Bulbs.....Our Specialties

HEADQUARTERS FOR.....

Holly and Mistletoe

DELAWARE HOLLY, guaranteed to be solidly packed, foliage perfect, dark green and well berried. Price per case, $5.00; per 2 cases, $9.00.

ENGLISH MISTLETOE, re-packed in $2.00, $5.00 and $10.00 cases. Special price for original crates.

BOUQUET GREEN, $6.50 per 100 lbs.

Stumpp & Walter Co.,

SEED GROWERS and IMPORTERS.....

50 Barclay St., NEW YORK.

OUR SPECIALTY, CUT

Cattleyas.....
Dendrobiums..
Oncidiums.....
Cypripediums.
Etc., Etc.

Orchids

Phalaenopsis..
Vandas.....
Odontoglossums
Laelias.....
Etc., Etc.

AND FANCY STOCK OF ALL KINDS.

We are Practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.

TEL. 2778 38th St.

MacDonald & McManus,

30 W. 30th Street, NEW YORK.

Wm. J. Baker,

1432 S. Penn. Square, PHILADELPHIA, PA.

WHOLESALE CUT FLOWERS

Original Headquarters for Carnations.

LOCAL AND LONG DISTANCE TELEPHONE, 42-43A.

EDWARD REID

WHOLESALE FLORIST

NO. 40 SOUTH SIXTEENTH ST.

PHILADELPHIA - - - PA.

PLEASE MENTION
The Florists' Review
When Writing Advertisers.

SEND IN YOUR PHOTOGRAPH FOR OUR GENERAL INTRODUCTION.

CINCINNATI.

For the last two weeks trade has been moving along satisfactorily and it looks as if it would continue so for the balance of this month. Social events have been more numerous here of late, which created an active demand for really good stock of all kinds. The supply of carnations is very limited at present and the outlook for Xmas slim. Violets are scarce and roses enough to meet demand. Lilium Harrisii are with us again and sell readily at $10.00 per 100; Callas at $1.00 per dozen.

Mr. Ed. Fries is on the sick list.

James O'Malley and Foley have newly opened up a flower store in the central part of the city, Walnut and Sixth streets.

Mr. Tom Hardesty has retired on this side and moved to Newport.

The first copy of the FLORISTS' REVIEW made its appearance here a few days since and was much admired by those who saw it. Mr. B. P. Critchell said of it when asked: "It's full of news and advs., the cuts are excellent, and the paper as a whole makes a good showing." Mr. Will Gray, of Peterson's, in sizing it up remarked: "Nothing slow about this paper; this is surely up to date."

NEGRUM.

WASHINGTON, D. C.

Washington for the past week has had wretched weather, dull and wet, with the mercury hovering around the freezing point. There have been but a few bright days during the past six weeks, which is telling on the quantity and quality of stuff coming in, though the supply is equal to the demand. The season begins with the assembling of Congress, and from now on business should be brisk.

The coming out of the young debutantes and afternoon teas have created the only demand for flowers; outside of this there has been little or no entertaining.

The Gude Bros. have a new delivery wagon which is a model of its kind, startling in elegance, and drawn by two fine mouse-colored ponies.

From the ruins of the old Florists' Club, which ceased to exist about two years ago, a new club was organized last week, with J. R. Freeman, Pres.; Robt. Bowdler, Vice-Pres.; Chas. F. Hale, Treas., and M. Boyle, Sec'y. As anticipated the boys turned up in goodly numbers. The new constitution and by-laws differ from that of the old organization in one respect, viz.: only those in active business being eligible to membership.

The club has received and accepted an invitation from the Baltimore club to visit them the evening of the 13th, and a large delegation will go over. The Baltimore florists are in sympathy with our movement against the free distribution of cut flowers by the Government, and wish to discuss that question with the club.

W. H. K.

FRANKFORT, KY.—E. Power, the florist, has made an assignment to W. C. Herindon.

Price-List of Bassett & Washburn, Chicago, for Current Week.

BEAUTIES.	
Extra Long Stems, per d z	$4.00— 5.00
Stems 24 to 30 in "	2.50— 3.00
" 10 in "	1.00— 1.50
BRIDES.	
No. A 1, per 100	$5.00— 6.00
" 1, "	4.00—
" 2, "	3.00—
KAISERIN.	
No. A 1, per 100	$6.00—
" 1, "	5 00—
" 2, "	3.00—
BRIDESMAIDS.	
No. A 1, per 100	$6.00—
" 1, "	5.00—
" 2, "	3.00—
PRESIDENT CARNOT.	
No. A 1, per 100	$6.00—
" 2, "	4.00—
METEORS.	
No. A 1, per 100	$6.00—
" 1, "	4.00—
PERLES.	
No. A 1, per 100	$4.00—
" 1, "	3.00—
ASSORTED ROSES.	
Our Selection, per 100	$3.00—
CARNATIONS.	
Common, per 100	$1.50—
White, "	2.00—
Fancy, "	3.00— 4.00
COLD STORAGE VALLEY.	
Choice Stock, per 100	$4.00—
HARRISII LILIES.	
Harrisii Lilies, per doz	$ 1 50—
" " per 100	10. 0—
MISCELLANEOUS.	
Violets, per 100	$ 1.50—
Adiantum, per 100	.50—
Smilax, per doz	1.50—
" per 100	10 00—
Common Ferns, per 100	.20—
" " per 1000	1.50—
Galax Le ves, per 100	.20—
" " per 1000	1.50—
Asparagus, per string	.60— .75

ERNEST AMLING

Wholesale

Commission Florist

88 WABASH AVENUE

CHICAGO

Consignments Solicited.
Not interested in any greenhouses.
Square dealings and prompt returns guaranteed.

Telephone Main 4337 ...

For Week of December 6th, I quote you as follows:

... Prices Subject to Change Without Notice ...

P. AND D. FREE.	PER HUNDRED.
Am. Beauties, extra long stem	$20.00—$30.00
Am. Beauties, fair to long	12 00— 18.00
Am Beauties, short	6.00— 10.00
Brides, Maids, selected	4.00— 6.00
Meteors, selected	4.00— 6.00
Brides, Maids, Meteors, good average	3.00— 4.00
Perles, selected	3.00— 4.00
Carnations, selected	1.50— 2.00
Carnations, good average stock	1.00— 1.50
Smilax, the best in the market	10.00— 12.50
Violets	1.25— 1.75
Valley	4.00— 5 00
Romans	3.00
Paper Whites	3.00
Callas	10.00— 12.50
Harrisii	12.50— 15.00
Sweet Alyssum	.25
Marguerites	.60— .75
Stevia	1.00— 1.50
Adiantum	.60— .75
Common Ferns (Per M $1.50)	.20
Galax (Per M $1.00)	.15
Asparagus, per string	.50— .65

... All Flowers in Season at Lowest Market Rates ...

Selected stock always sent unless otherwise ordered.

Store open week days till 6:30 p. m. Sundays and holidays till noon only.

Send for my Weekly Quotations, issued every Saturday. Free on Application.

REINBERG BROS.

Wholesale Cut Flowers

51 WABASH AVENUE, CHICAGO.

ROSES AND CARNATIONS GROWING UNDER 500,000 FEET OF GLASS ENABLE US TO SUPPLY ANY QUANTITY.

WE grow our own stock, and when you order from us you will get strictly fresh goods. Don't be afraid to take orders for American Beauties. We can supply you. We are headquarters for AMERICAN BEAUTIES. We also grow bulb stock, such as VALLEY, ROMANS, DAFFODILS, HARRISII, LILIES and TULIPS, of which we have secured the best bulbs the market affords.

We will this Spring, as heretofore, have large quantities of young roses for sale. Before ordering elsewhere write us for prices. Stock ready for shipment March 1 next.

Prices for the Week.....

	PER HUNDRED
American Beauties, long	25.00
American Beauties, 30-inch stem	20.00
American Beauties, 20 to 24-inch stem	15.00
American Beauties, 15 to 18-inch stem	12.00
American Beauties, short stemmed	6.00@ 8.00
Kaiserins	4.00@ 6.00
Brides	4.00@ 6.00
Bridesmaids	4.00@ 6.00
La France	4.00@ 8.00
Belle Siebrecht	3.00@ 4.00
Meteors	4.00@ 6.00
Perles	3.00@ 4.00
Carnations	1.50@ 2.00
Violets	1.50@ 2.00
Smilax	10.00@12.00

Telephone..... Harrison 85

Estimates furnished on application Work delivered when ordered Forms called for and delivered

The Regan Printing House

Day and Night Pressrooms

87-91 Plymouth Place Chicago.....



Buy Your Flowers Direct from the Grower

We are the largest growers of American Beauties in this country, and also grow large quantities of Brides, Bridesmaids, Meteors, Perles, Kaiserin and Carnot, Fancy Carnations, Harrisii Lilies, Lily of the Valley, Dutch Bulbs, Smilax, Asparagus and Adiantum.

Our Wire Work Designs are the most artistic and best made of any in the market. We have made arrangements enabling us to furnish a very choice grade (quality guaranteed the best) of

Christmas Greens

Holly, Mistletoe, Evergreen Wreathing, Bouquet Green, etc.

Our prices on FLORISTS' SUPPLIES are as low as any and quality the best. We make a specialty of FLORISTS' RIBBONS at prices very much under any other firm.
Get our Weekly Price List and send us a trial order.

OUR CHRISTMAS PRICE LIST WILL BE ISSUED DECEMBER 15TH.

BASSETT & WASHBURN,

Greenhouses and Residence
Hinsdale, Ill.

88, 90 & 92 Wabash Avenue,
CHICAGO.



Write us for Illustrated Catalogue.

WINTER & GLOVER

21 Randolph St., CHICAGO.

PRICES FOR CURRENT WEEK.

	Per 100.
Beauties, first quality	$18.00@25.00
Beauties, medium	8.00@15.00
Meteors, Brides, Maids	3.00@ 6.00
Perles	3.00@ 4.00
Carnations, long	1.00@ 1.50
Carnations, fancy	1.75@ 2.00
Valley	4.00@ 5.00
Violets	1.00@ 1.75
Romans	4.00
Stevia	1.00
Adiantums	.50@ .75
Smilax	10.00@15.00
Ferns, per 1,000, $1.75	.20

High Grade

Cut Flowers

Properly Packed and Promptly forwarded.

Full Line of Wire Designs and Florists' Supplies.

Telephone Main 3208.

A. G. PRINCE & COMPANY

Wholesale

Cut Flowers and Florists' Supplies

AGENTS FOR
HINSDALE ROSE CO.

88 & 90 WABASH AVENUE
CHICAGO

Holiday Goods...

Bouquet Green,
Holly, Mistletoe, Immortelles,
Cape Flowers, Wreathing.

WRITE US FOR OUR SPECIAL PRICES.

Wholesale Flower Price List

Roses, Beauties, long	15.00@25.00
" " medium	8.00@15.00
" " short	4.00@ 8.00
" Brides, Bridesmaid	3.00@ 4.00
" Meteors, Testout	3.00@ 4.00
" Kaiserin, Carnot	4.00@ 7.00
" Niphetos, Perle	3.00
Carnations	1.00@ 1.50
" fancy	2.00
Violets	1.25
Narcissus, Romans	3.00@ 4 00
Harrisii	16.00
Valley	4.00@ 5.00
Adiantum	.50@ .75
Smilax	10.00@12.00
Asparagus	50.00@75.00
Common Ferns, per 1000	1.50

Our Store open nights until 7 o'clock, Sundays and Holidays 12 Noon.

Give Us Your Orders.

W. E. LYNCH,

Wholesale Commission Florist

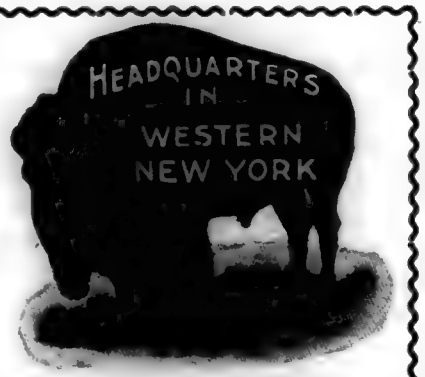


American Beauties and all other Fancy Roses
Fancy Carnations and all Bulbous Stock

The RIGHT kind of Stock, packed in the RIGHT way, delivered at the RIGHT time, and at the RIGHT prices.

19-21 Randolph St., CHICAGO.

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

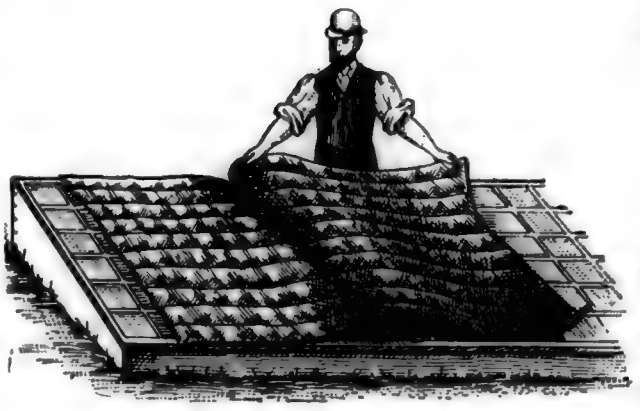
495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

Make the work of ventilating easy if you want it done properly and attended to as frequently as it should be. The Evans' Challenge Ventilating Apparatus meets this requirement to the fullest degree. Quaker City Machine Co., Richmond, Ind.

Palmer's Hotbed Mats

FROST PROOF.



Made expressly for winter covering of hotbeds, cold frames, plants and seeds of all kinds.

Indestructible, Cheap and Warm.

Will not harbor mice or vermin. Easy handling. Have now been in practical use three years. Costing less than half as much as old fashioned straw mats and entirely taking their place.

Made in regular sizes, 76x76 inches and 76x40 inches, or any size desired. Sold by the running foot 76 inches wide.

We also make the cheapest, warmest and strongest HORSE BLANKET in the world, weighing 9 pounds.

THE R. T. PALMER CO.

Or New London, Conn. **113 Worth St., NEW YORK.**



Holly, Bouquet Green, Wreathing.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.			
Ordinary	per 100,	$1.50—	
Select	"	2.00—	
Fancy	"	3.00—	
ROSES.			
Beauties, long, scarce	per doz.,	$3.50—	
Beauties, medium, scarce	"	2.00—	
Beauties, short, scarce,	"	1.00—	
Brides	per 100,	3.00—	5.00
Kaiserin	"	3.00—	5.00
Maids	"	3.00—	5.00
Meteor	"	3.00—	5.00
Perles	"	3.00—	4.00
Our Selection	"	3.50—	
GREENS.			
Asparagus	per string,	$ .60—	
Ferns, Adiantum, select	per 100,	.60—	.75
Common Fancy, 1,000, $1.50,	per 100,	.25—	
Smilax, common, fancy	per doz.,	1.25—	
Ivy Leaves	per 100,	.75—	
Galax, green and bronze	"	.15—	
Wild Smilax, Parlor Brand	case,	3.75—	
Wild Smilax, Medium	"	5.50—	
Wild Smilax, Large	"	8.00—	
Extra fine lot of Wild Smilax now on hand.			
MISCELLANEOUS.			
Alyssum	per 100,	$ .25—	
Marguerites	"	.75—	
Mignonette	"	3.00—	8.00
Callas	per doz.,	1.50—	
Harrisii	"	1.50—	2.00
"Mums," single stem disbudded stock.			
Fancy	per doz.,	2.00—	3 00
Common	per 100,	8.00—	12.00
Romans	"	3.00—	
Stevia	"	1.25—	
Swainsona	"	2 00—	4.00
Valley	"	5.00—	
Violets	"	1.50—	2.00

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

Following is the form of certificate we issue to subscribers:

$1.00 **$1.00**

The Florists' Publishing Company, Chicago.

This Certifies that _____ of _____

_____, is entitled to the annual dividends on one-tenth of a share (par value of each share $10.00) of the stock of the FLORISTS' PUBLISHING COMPANY, of Chicago, Ill., that has been placed in my custody as Trustee, so long only as

_____ shall remain a paying subscriber to the FLORISTS' REVIEW.

This certificate is transferable only to _____ successor in business, and then only on application to the undersigned. Dividends will be made of net profits on the first day of January of each year.

Certificate holders are reminded that by confining their purchases to those who advertise in the FLORISTS' REVIEW (always mentioning the paper when writing) they will greatly enhance the earning power of their certificates.

Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL)

_____,
Trustee.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on..... ...

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

A. L. RANDALL

Wholesale Florist....

126 Dearborn Street
CHICAGO

MY aim is to give complete satisfaction, both in **quality** of stock and **promptness** in filling orders. Prompt attention given to all orders, large or small. Florists' Supplies furnished on short notice. Close Sundays 2 P. M. Evenings 9 P. M. Telephone 1496.

ROGERS PARK FLORAL CO.

WHOLESALE GROWERS OF

FINE
ROSES AND CARNATIONS
are specialties with us. American Beauties a leader. We grow ourselves the stock we offer.

Cut Flowers.

TEL. MAIN 1811.

41 Wabash Avenue, CHICAGO.

WHAT PROGRESSIVE AND SUCCESSFUL FLORISTS SAY OF MY.....

TEMPERING APPARATUS

.....WHICH REMOVES THE CHILL FROM THE SYRINGING WATER.

Ernst Asmus, West Hoboken, N. J., after four years use, writes: "It is very satisfactory..... It has been a great benefit to my stock, as well as improving the quality of my blooms."
Thorne & Co., Flushing, L. I., write: "It works to our entire satisfaction, and is so SIMPLE, working in connection with the greenhouse hot water heating plant."
Salter Bros., Rochester, N. Y., write: "The only fault we found was, it got too hot; but after a little, we got it regulated."

HENRY W. CIBBONS, Heating Engineer and Greenhouse Builder,
136 LIBERTY STREET, NEW YORK.

Tree and Shrub Seeds

Seedlings, Etc. Magnolia and Calycanthus seed a specialty. Write for Price List.....

J. H. H. BOYD,
CAGLE.....Sequatchie Co.....TENN.

One sale makes two other sales. A trial of our apparatus will make you a customer for all the apparatus you may ever need. We want you to give it that trial—the apparatus will do the rest. Quaker City Machine Co., Richmond, Ind.



We acknowledge no superiors

In packing Cut Flowers for shipment. Flowers ordered from us will reach you in first-class condition.

HOLLY

—Best Delaware, $5.00 per Case.

BOUQUET GREEN

—$3.50 per 100 lbs.

WILD SMILAX

—in following sized Cases:

No. 1	85	square	feet	$1 50
No. 2	200	"	"	2 50
No. 3	300	"	"	3 75
No. 4	400	"	"	5 50
No. 5	500	"	"	7 00
No. 6	600	"	"	8 00

NEEDLE PINES.

—36-inch, $2.75 per dozen.

BOUQUET GREEN WREATHING

—$3.00 per 100 yards.

SABAL PALM CROWNS

Our Sabal Palm Crowns are very large, four to six feet high, with from four to six immense perfect leaves, 36 to 48 inches in diameter.

Price per dozen, $5.00.

TORONTO.

Winter appears to have set in—though it may be only a false alarm—and the chrysanthemums are nearly done for. Prices are rising and the demand is lively all around, so that there is really very little to grumble about just now. The vice-regal party are staying at Government House until New Year. The provincial parliament has just opened and dinners, receptions, balls, bazaars and other less important entertainments are too numerous to mention. Take it altogether the cut flower trade is doing very well, better than it has done at this time of year for a long while. The good times we have been looking out for so long are coming slowly but surely. What will they be when millionaires by the score begin to return from the Klondyke?

The essay to be read at the next regular meeting of the horticultural society is entitled "Seasonable Home Decoration," and written by Mr. McP. Ross, who is exceptionally well able to handle the subject. It should attract a goodly crowd.

On Tuesday, the 21st inst., the Gardeners' and Florists' Association will hold their annual election of officers in which, of course, every member will take part. Some years ago a little bird told me beforehand what the result of the elections would be, but the bird turned out to be a liar of the first water. This same little bird has been talking again but I am not going to give it away this time until I see whether he has reformed. At this meeting the treasurer hopes to pay seventy-five per cent. of the prizes won at the late show, which is twenty-five per cent. better than he expected to do at first. All prizetakers are requested to attend.

Mr. C. Tidy has moved into his new store a short distance further west on King St. I am told that it is fitted up in first-class modern style and in every way suitable for carrying on a first-class business. Success to it. E.

CHRYSANTHEMUMS FOR THE CHICAGO MARKET.

Kennicott Bros. Co., Chicago, have issued the following circular to their growers:

Our list of chrysanthemums. Under this heading we grade them in three classes, viz: Best, second, third.

Class 1. Market for all you can grow. Yellow—Golden Wedding, Major Bonnaffon, H. L. Sunderbruch, Modesto. Pink—Maud Dean, Mrs. Murdoch, Mrs. Perrin, Viviand-Morel. White—Ivory, Western King, Minnie Wanamaker, Mrs. Jerome Jones, Mayflower.

Class 2. Market for a fair quantity. Yellow—Golden Gate, Mrs. J. J. Glessner, Lady Playfair. Red—Mrs Drexel. White—Mrs. Robinson. Bronze—Geo. W. Childs, Chas. Davis (odd), John Schrampton.

Class 3. Market for a few, some are new varieties. Yellow—Lincoln, Pennsylvania, Eugene Dailledouze, White—Frank Hardy. Pink—Mrs. Higinbotham, Autumn Glory, Mrs. Allerton.

It is certainly an excellent idea for the commission dealer to keep his growers posted as to what finds ready sale and what does not. It cannot fail to result in benefit to both grower and dealer.

Of our first issue we printed 9,000 copies, which consumed 4,500 lbs. of paper—two and one-fourth tons. Quite a good weight for a "baby."

ORDER NOW FOR THE HOLIDAYS

Twenty-Five Thousand Blooms of

Cypripedium Insignes

At Twelve and Half Cents Each.

CASH WITH ORDER

Delivered—Express Paid.

I have the largest stock of this variety in the world. If you do not receive our new 1898 calendar, write for one. Address

THE SMILAX KING,

WALDEN, N. Y.

Must have room

Have an immense stock, perfectly healthy.

Here are my prices For December:

3 plants in 7-inch pot, 32 to 36 in. high, bushy	$1.50
3 plants in 8-inch pot, 36 to 42 in. high, very bushy	2.00
3 plants in 8-inch pot, 42 to 48 in. high, very bushy	2.50
1 plant in 10-inch pot, 4 to 5 ft. high, very fine	5.00

Grown cool and well hardened.

JOSEPH HEACOCK, - WYNCOTE, PA.

Areca Lutescens Cheap

The Cheapest Lot of Palms...

ever offered to the trade.

Full line of
Kentia Belmoreana,
Latania Borbonica,
and.....
Cocos Weddeliana.

Rose Hill Nurseries

The Largest Horticultural Establishment in America....

All Stock is HOME GROWN and COOL GROWN.

OUR SPECIALTIES....PALMS, ORCHIDS, FERNS, ROSES, and

DECORATIVE PLANTS

Also the largest and finest collection of STOVE and GREENHOUSE PLANTS. If you need anything fancy for private places, call and see us. Write, telegraph, or telephone and our carriage will meet you.

SIEBRECHT & SON, NEW ROCHELLE, N. Y.
TELEPHONE 151 N. R.
NEW YORK OFFICE, 409 FIFTH AVENUE.

HOLLY
BOUQUET GREEN
CUT FLOWERS
PALMS AND FERNS

ELLIS & POLLWORTH
MILWAUKEE, WIS.

Burpee's Seeds Grow

Try Jadoo... and be convinced

NICHOLSON'S DICTIONARY OF GARDENING.

The Standard Work of Reference for Florists and Gardeners. In set of four volumes. Price, $20.00.

Florists' Publishing Company,
530-535 CAXTON BUILDING,
CHICAGO.

WHEN YOU WANT THE BEST
SEND TO
BASSETT & WASHBURN,
CHICAGO

CHAS. W. JACOB & CO.
DIRECT RECEIVERS OF
CAPE FLOWERS
WRITE US for Samples and Prices for any Quantity.
NO. 63 PINE ST., NEW YORK.

Cinerarias and Calceolarias...
We have a superior strain of these beautiful plants.

Cinerarias, 2¼-in.	$2.00 per 100
Cinerarias, 3-in.	3.00 per 100
Calceolarias, 2¼-in.	3.00 per 100

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

BEGONIAS
At Half Price to Close Out. All Extra Fine Plants.

Thurstonii, 3½-inch	doz., 40c.;	$3.00 per 100
Thurstonii, 2½-inch	doz., 30c.;	$2.50 per 100
A. Guttata, 3½-inch	doz., 40c.;	$3.00 per 100
Olbia, 4-inch	doz., 60c.;	$5.00 per 100
M. DeLesseps, 3½-inch	doz., 50c.;	$4.00 per 100

Alba Picta, Feasti, and four other kinds, 40c. per dozen; $3.00 per 100.

A. J. BALDWIN, - Newark, Ohio.

Please mention the Florists' Review when writing advertisers.

PRICE LIST

SUBJECT TO CHANGE WITHOUT NOTICE

P. AND D. AT COST	PRICE PER HUNDRED
Am. Beauties, medium	$ 8.00 to $12.00
Am. Beauties, fancy, fair length	15.00 to 18.00
Am. Beauties, long	20.00 to 30.00
Meteors, extra select	4.00 to 6.00
Brides, Maids, extra select	4.00 to 6.00
Meteors, Bride, Maids, good average	3.00 to 5.00
Perles, extra select	3.00 to 5.00
Carnations, extra select	1.50 to 2.00
Carnations, good average stock	1.25 to 1.50

All Flowers in Season at lowest market rates.

Store open until 6.30 P. M. week days, until Noon Sundays and Holidays.

We always ship extra select or high-grade goods unless otherwise ordered.



LON

This Year's Customers Must be Ours Next Year

The Values we g

It is not what you pay for the extra select stock---but what the extra s
bear in mind that the best is the mo

....WHY?

It pays to trade at headquarters and the greatest house in A
the quality of goods your trade requires, we will endeavor t
in the cut flower department have had long experience both
for your benefit, if you will post us as to your requirement
stupendous clearing sale of Wire Work 25 to 50 per cent le
or value. No other store in the world can do it.

Jobbers in all Kinds of De

OTT BROS. CO

WHOLESALE CUT FLOWERS

AND FLORISTS' SUPPLIES,

88 WABASH AVENUE,
CHICAGO, ILL.

DISTANCE TELEPHONE EXPRESS 466.

ROOMS 22 AND 23.

PRICE LIST

SUBJECT TO CHANGE WITHOUT NOTICE

P. AND D. AT COST	PRICE PER HUNDRED
Violets	$ 1.25 to $ 1.75
Valley, our specialty—the best	3.00 to 5.00
Smilax	10.00 to 15.00
Harrisii	12.50 to 15.00
Callas	12.50
Romans, Narcissus	3.00 4.00
Adiantum	.60 1.00
Asparagus ..... per string, 50c to 65c	
Galax ..... per M, $1.50	.20
Common Ferns ..... per M, 2.00	.25

Common Ferns and Galax, 500 sold at 1000 rates.

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Asparagus always on hand.

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merica. **If you buy it of us it is all right.** If you will advise us as to regulate our shipments to meet its demands. Our foreman and help in the wholesale and retail trade, and will gladly use their experience **Special cash sale—reduction in price**—"we're shaping things" for a s than elsewhere. Best improved hand-made goods regardless of cost

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WHOLESALE FLORIST

Cut Flowers and Florists' Supplies

MANUFACTURER OF

The Patent Wire Clamp Floral Designs....

A FULL LINE OF SUPPLIES ALWAYS ON HAND. WRITE FOR CATALOGUE AND PRICES.

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General.....
Introduction

Page groups of these portraits will be published from time to time until all have been presented. Photos may be sent in any time, the only condition being that you be a subscriber to the FLORISTS' REVIEW. Address

Florists' Publishing Co.....530-535 Caxton Bldg.....Chicago.

Only High Grade Flowers Carried.

Roses,
Carnations
AND
Violets
IN QUANTITY

Write to me for things hard to get.

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Our Central Location enables us to fill out-of-town orders quick and at short notice.

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Why do we make such an unparalleled offer? It is very simple.

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You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

PROVIDENCE, R. I.

Looking in on Brother Rennie, who will be remembered especially by the "sports" at our recent convention, as being a most energetic spirit and who is now chafing at an enforced confinement of seven weeks in a sick room, he will I am glad to report, soon be out and with care be as of yore. I had anticipated the pleasure of his company to visit the establishment of S. J. Reuter at that solid little granite locked town of Westerly, the merchants of which place bear as reputable a name.

On arriving I found Mr. Reuter making his evening shipment (he ships twice daily to the Hub). This shipment consisted of some four thousand carnations, which were bunched in fifties by his right bower, Mrs. Reuter, in one hour and a half, the writer acting as timekeeper and who mentally allowed this was one instance where the gentler sex deserves the highest praise one can bestow. The kinds were chiefly Daybreak, Scott, McGowan and Alaska. These are standards. Alaska glistens as those glaciers of the great northwest. The bunches have that pleasing rustle when shaken. Of the dozen big shipping boxes several contained roses, including Morgans of exquisite color, also Bridesmaid and Perle.

After the bustle and following the despatch of this shipment my host piloted me through what is becoming a plant of mammoth proportions. Method and perfectness of detail is conspicuous throughout. The plan of running upon specialties enables this to be done more easily. Mr. Reuter is a firm believer in this principle and attributes his success to its adoption.

While to some this has been an unsatisfactory season, Mr. Reuter is so well pleased and sanguine for the future he has plans to add four houses to connect with the handsome range erected during the past summer, to be each 200x21 ft., and heated by a No. 10 Furman boiler.

While roses will be grown more extensively considerable space will be given to growing carnations, Scotts in solid beds proving very satisfactory, several houses planted in this manner yielding prolific returns.

The trial house is highly interesting. No fewer than fifty varieties are being tested. It is early to report the results but some are disappointing while others are encouraging. Later on I will give our readers the benefit of Mr. Reuter's close observations. W. M.

UTICA, N. Y.—Messrs. Whitton & Sons, have gone quite extensively into importing azaleas, having at the present time three large 100-foot houses devoted exclusively to them. They also have two 100-foot houses in Bermuda Easter lilies and three houses of same size in cinerarias. They have developed an extensive plant trade, keeping two men busy packing plants for shipment. E. J. Glover reports a good trade. His specialties are roses, carnations and violets, with which he is very successful. No mildew, rust or disease is to be found on any of his stock.

OUR NEW MUSK-MEL-ON.

THE "KINSMAN QUEEN"

MOST VALUABLE NOVELTY

In Muskmelons ever Introduced.

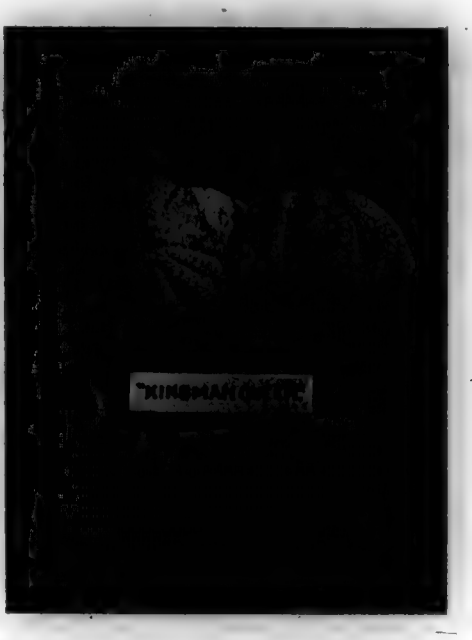
TEN DAYS EARLIER THAN ANY OTHER KIND.

Large production of FINEST QUALITY.

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FRANK BANNING, Seedsman and Florist, KINSMAN, OHIO.



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SPECIAL OFFER

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ARECA LUTESCENS—6-inch pots at 50c, 75c and $1.00; 8-inch pots at $1 50 and $2.00; 10-inch pots at $5.00, $6.00 and $7.00.

LATANIA BORBONICA—6-inch pots at 50c. All A1 stock. Price list of general stock on application.

Chas. D. Ball,

Holmesburg, Philadelphia, Pa.

See the weekly price list of Kennicott Bros. Co. in this issue. It pays to buy at headquarters.

PALM SEED FRESH ON HAND

	100.	1000.	3000.
Cocos Weddeliana.....	$1.25	$10.00	$27.50
Musa Ensete.....	1.25	10.00	27.50

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Made from VIRGIN NIGHT SOIL by steam process—NOT Adulterated. Complete fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle. Try Sample Bag, 100 lbs., $1.50.

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GERANIUMS. Grand Bedders and other new and fancy kinds; 50,000, 40 varieties. Strong rooted $1.00 per 100 express, $1.25 mail.

PANSIES. My standard assortment, best and latest productions, 40,000, 40c per 100 express; 50 mailed for 25c to try them aside any other. Seed of same, 1,000, 20c.

Bedding Begonias, Coleus, Petunia, Verbena, etc., in season. List of Geraniums and other stock. DANIEL K HERR, Lancaster, Pa.

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Mendellii
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Labiata
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Speciossissima
Acinetas
Cypripediums
Cœlogyne Cristata
ETC., ETC.

Orcidium Krameri
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Peristeria Elata
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Orchid Growers and Importers

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Largest Stock of TROPICAL PLANTS in the West

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The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

PALMS.

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
Areca Lutescens, 3 plants in pot	4-inch.	12-14			$3.60	$30.00
Areca Lutescens, 3 plants in pot	5 "	30-34	8-10	$0.75	9.00	
Areca Lutescens, 3 plants in pot	6 "	34-38	8-12	1.00	12.00	
Areca Lutescens, 3 plants in pot	7 "	40-45		1.50	18.00	
Corypha Australis	5 "	18-20	7- 8	.50	5.00	
"	6 "	18-22	8-10	.75	9.00	
Kentia Belmoreana	4 "	16-18	4- 5	.50	3.60	30.00
" "	5 "	14-16	5- 6	.75	7.20	
" "	6 "	20-24	3- 5	1.25	15.00	
" "	7 "	36-40	5- 6	3.00	36.00	
" "	8 "	48-50	5- 7	4.00	48.00	
" Forsteriana	4 "	18-20	2- 3	.50	3.60	
" "	5 "	20-24	3- 4	.75	7.20	
" "	6 "	28-30	3- 4	1.25	15.00	
" "	8 "	50-54	4- 6	4.00	48.00	
Latania Borbonica	3 "	12-14	1- 2	.15	1.50	10.00
" "	4 "	14-16	3- 4	.25	3.00	25.00
" "	5 "	18-20	4- 5	.50	5.00	40.00
" "	6 "	18-20	5- 6	.75	9.00	
" "	7 "	23-25	6- 7	1.00	12.00	
" "	8 "	30-36	6- 8	2.50	30.00	
" "	10 "	36-40	8-12	5.00	60.00	

PALMS.

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
Phœnix Reclinata	5 inch	18-20	4- 5	.50	5.00	
" "	6 "	22-24	4- 5	.75	9.00	
" "	7 "	26-30	5- 6	1.00	12.00	
" Canariensis	5 "	18-20	4- 5	.50	5.00	
" "	6 "	22-26	5- 6	.75	9.00	
" "	7 "	26-30	8-10	1.00	12.00	

FERNS.

Nephrolepis Exaltata, from 2-inch pots	per 100	$5.00
" " " 3 "	"	8.00
" " " 4 "	per doz.	1.50
" " " 5 "	"	2.00
" Pectinata, " 4 "	"	1.50
" " " 6 "	"	3.00

MISCELLANEOUS PLANTS.

Asparagus Plumosus Nanus, from 3-inch pots	per 100	$8.00
Cyperus Alternifolius, from 4-inch pots	per doz.	1.00
" " " 5 "	"	1.50
" " " 7-inch pots, bushy plants	"	4.00
Pandanus Utilis, 4-inch pots	"	3.00

Lycopodium Wreathing, in any quantity at 3 cents per yard up.

Order now. All orders from unknown parties must be accompanied by cash or acceptable references.

Following is the form of certificate we issue to subscribers:

$1.00 **$1.00**

The Florists' Publishing Company, Chicago.

This Certifies that _____ of _____

_____, is entitled to the annual dividends on one-tenth of a share (par value of each share $10.00) of the stock of the FLORISTS' PUBLISHING COMPANY, of Chicago, Ill., that has been placed in my custody as Trustee, so long only as

_____ shall remain a paying subscriber to the FLORISTS' REVIEW.

This certificate is transferable only to _____ successor in business, and then only on application to the undersigned. Dividends will be made of net profits on the first day of January of each year.

Certificate holders are reminded that by confining their purchases to those who advertise in the FLORISTS' REVIEW (always mentioning the paper when writing) they will greatly enhance the earning power of their certificates.

Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL) _____,

Trustee.

....THE NEW....

Chrysanthemum Pennsylvania

THE finest yellow chrysanthemum for cut blooms or exhibition ever produced. Certificate of National Chrysanthemum Society, Silver Medals by Pennsylvania Horticultural Society, New York Gardeners' Society, and Kentucky Society of Florists. Certificate of Merit from Philadelphia, Boston, New York, Indianapolis, Montreal, Canada. Cincinnati, Germantown.

HUGH GRAHAM,

104 So. 13th Street, - Philadelphia, Pa.

ORIGINATOR AND INTRODUCER

Delivered March 15th, 1898

Each, - - - - - 50c
Per Dozen, - - $5.00
Per Hundred, - $35.00
Per Thousand, $250.00

Fifty at One Hundred, and
Five Hundred at One Thousand Rates.

Now in Course of Preparation

The Florists' Manual

By WILLIAM SCOTT..

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy.

It will be a whole library in itself. Thoroughly practical. Terse. Condensed.

It will be published by the

Florists' Publishing Company

530-535 CAXTON BUILDING, CHICAGO.

IT
WILL TELL YOU
JUST WHAT
YOU
WANT TO
KNOW
IN JUST THE WAY
YOU
WANT TO BE
TOLD.

GRAND RAPIDS, MICH.

I notice in the article on exhibitions by E. G. Hill, reviewing the reports of the chrysanthemum shows, that only a few of them were financially a success. He asks where lies the trouble? Are the people growing tired of the shows? Is the admission fee too high? I can only speak of the question so far as our show is concerned, and in my opinion I am sure that there are a great many people who are tired of shows. I have heard of many who say, why there is no use to go to the show, as every flower store is a small show in itself, and if we wish to see further we can go to the greenhouses. And many have said twenty-five cents is too much; we cannot afford it.

I have always advocated a small admission fee, or entirely free. I will say here that at our last show we sold space for our merchants to advertise their goods, which almost paid our rent, and with a little more hustling around we could have sold enough to pay the whole amount. What we want is to get the public to visit the show, and you surely cannot get a very large number there if they are charged to see what they can see every day free. The sale from the booths this year was very small, as compared with last year, owing to the very small attendance. Our exhibitors are very much discouraged, and I doubt if the Florists' Club will ever give another show.

Heretofore the club has been held together by the chrysanthemum show, and now that there is no prospect of another show, they are going to take up a subject for each evening during the winter. The subject for the next meeting, Dec. 7th, is "New Chrysanthemums." Now don't hold your breath, but if you hear of a rival from Grand Rapids of the new yellow, Pennsylvania, it is none other than a very fine yellow sport from Mrs. Jerome Jones; all the good qualities of J. Jones but it is very much larger. Pennsylvania must look to her laurels. Henry Smith is the happy possessor.

The Grand Rapids Floral Co., Alfred Hanna and Wm. Cunningham, have dissolved, Mr. Hanna continuing the business at the old stand. Wm. Cunningham has rented the Schmidt Bros. place for a term of years, and has opened up a first-class store on Canal St.

Carnations in this section are unusually fine and healthy this fall. We had a very dry fall, and when they were lifted and placed in their winter quarters they seemed to move right along.

Look out soon for a brand new red Tidal Wave by the raisers of Morello. Flora Hill is being tried by all our florists and so far is very satisfactory. Silver Spray still reigns supreme as a white and is doing extra fine this winter. A new clear yellow finely fringed carnation will be the next from George Hancock & Son. I may be telling secrets but just think and keep watching. N. B. Stover.

EVERY FLORIST OUGHT TO
INSURE HIS GLASS AGAINST HAIL
FOR PARTICULARS ADDRESS
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

SIMMONS'
NEW LIGHT COLORED
CARNATION, MRS. S. A. NORTHWAY.
Orders booked now and filled in rotation. We shall commence to ship soon. Price, $10.00 per 100; $75.00 per 1,000.
GERANIUMS.
Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier. 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1,000, cash with order.
Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00, unnamed, $20.00, per 1,000. Rooted cuttings, $12.50 per 1,000, cash with order.
FUCHSIAS.
A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.
Our Price List describes many other fine plants. Send for it.
W. P. Simmons & Co.,
GENEVA, OHIO.

...AZALEA INDICA...
WE have a large assortment of all the leading varieties which we make this special offer for cash: 10 to 12-in. crowns, full of buds, $3.50 per doz. 13 to 15-in. crowns, 50 cts. each; $5.50 per doz.
WHITTON & SONS, Wholesale Florists,
City and Green Streets. UTICA, NEW YORK.

GOLD FISH
...Fine Healthy Stock...
Medium to large size, $10.00 per 100. Cash with order. No charge for shipping cans.
Gold Fish can be shipped by Express thousands of miles with safety and are a profitable and attractive stock to handle.
Full Line of Aquaria Supplies.
Keenan's Seed Store
6112-6114 Wentworth Ave., CHICAGO.

If you buy flowers and supplies of Kennicott Bros. Co., Chicago, you will get what you want and at the right prices.

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

HEADQUARTERS FOR
CANNAS....DORMANT ROOTS.
Get our prices before buying elsewhere.
....By the dozen, hundred or thousand.
ROWEHL & GRANTZ,
HICKSVILLE, L. I., NEW YORK.

WE CAN FURNISH
..PEARL TUBEROSE BULBS..
All native Trees, Shrubs and Bag Plants. Also YOUNG PITCH PINES, HOLLY and WILD SMILAX for DECORATING. Write and tell us what you want. No Yellow Fever here!!
JAS. M. LAMB, - FAYETTEVILLE, N. C.

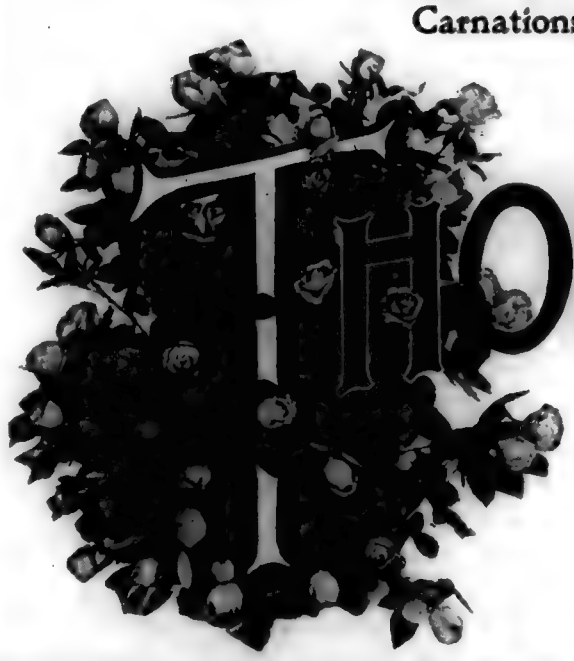
FIRST-CLASS STOCK!!
NONE BETTER ON THE MARKET.
Rooted cuttings of Geraniums, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Carnations, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Forget-Me-Not and Begonia Argentea Guttata, $2.00 per 100. Cyclamen Giganteum, 3-in., $5.00 per 100. Cut blooms of Carnations, $2.00 per 100. Write for quotations on Young Roses, Geraniums, Coleus, Alternantheras, and any bedding stock you may need for spring delivery.
PRICES WILL SURPRISE YOU.
GEO. M. EMMANS, Newton, N. J.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

ESTABLISHED 1879.

My Specialty: Extra selected stock from the cream of the growers, and I handle their specialties, which include, as follows:

Prime American Beauties,
Cattleyas, Violets, Mignonette, Roman Hyacinths,
Paper White Narcissus, Ferns, Asparagus, Roses,
Carnations, and all standard stock.



THOMAS YOUNG, JR.

43 West 28th Street, New York.

"ROSE LEAF"

EXTRACT OF TOBACCO.

Best General Insecticide on the Market

Time and Experience have Proven this. "ROSE LEAF" SAVES FLORISTS MONEY.
For Sale by all Seedsmen. For free booklet, write to

LOUISVILLE SPIRIT CURED TOBACCO CO., LOUISVILLE, KY.

VIOLETS.

Luxonne and California. Large, healthy clumps out of frames, $3.00 per 100, $25.00 per 1,000.
Bellis (Daisies). Good stocky plants, $2 50 per 1,000; 500 at thousand rate.

J. C. SCHMIDT & Co.,
BRISTOL, PA.

1000 WISTARIAS SEEDLING WILLOWS, OAKS and MAGNOLIAS.
ALL CHOICE STOCK.
H. A. CATLIN, Richmond, Va.

TOBACCO DUST.....

Having a large supply on hand at present, we can furnish the trade at $1 00 per 100, $4.50 for 500, ½ ton $8.00, ton lots and upwards $15.00. Send for our wholesale catalogue on Strawberry and Cabbage Plants.

THOMPSON'S SONS, Rio Vista, Va.

For the HIGHEST GRADE
Cut Flowers TRY
BASSETT & WASHBURN, Chicago



FIFTEENTH year of Successful Business won by Fair Dealing. Thinnest lumber used in Express packages, insuring low charges. HEADQUARTERS for Palms, and all choice useful and decorative stock. Tropical Fruits, Economic plants, etc. Send for Catalogue and Trade-list.

REASONER BROS.
ONECO, FLA.

ROCHESTER, N. Y.

"It was not ever thus," remarked Mr. J. B. Keller to the writer as he showed with great complacency a splendid batch of cyclamens, a house filled with vigorous plants, no sign of rust, covered with bloom and buds, grown in 7 and 8-inch pots; a little bonanza for Xmas. While this plant has been successfully grown heretofore, this stock surpasses all previous efforts. The majority were plunged in open frames covered with clear glass but shaded with lattice; this lattice was taken off about five o'clock each day when the plants were then syringed, being watered in the morning before the lattice was put on. This is evidently the correct method as a batch kept in the house through the summer has not done nearly so well. Sowing was made in October last.

Of the famous herbaceous garden but little is now to be seen. In the meantime Mr. Keller is compiling his notes, the benfit of which will be given your readers from time to time and will prove interesting reading.

Speaking of business, Thanksgiving was a little Xmas. This comment was endorsed by Fred Schlegel, who was rushed with orders for church fairs at time of my visit. He has obtained by careful selection an unsurpassed if equaled strain of Giant White aster, of which large numbers are used for funeral work.

Richard Salter anticipates a heavy holiday business, judging by orders on hand. Brother Al. reports similar news from their uptown store.

To see a table of Cypripedium insigne varieties bearing some four thousand open blooms is not an everyday sight. This can be now seen at the Kimball orchid houses. The genial Geo. Savage informed me he had cut 500 blooms that morning for a charity fair, leaving the first mentioned number remaining, with thousands yet to come. His pet seedling, named Laura Kimball, in honor of his employer, is a charming species. The color is lighter and clearer than the best form of C. insigne. The dorsal sepal is spotless. But one plant has been sent out, this to London, where a good round figure was paid for it. The exact amount not necessary to announce. He has several other seedlings of this valuable species. The whole collection is in excellent shape. W. M.

CARNATIONS

...WELL SELECTED...

Well Rooted Cuttings in Season.

JACOB H. WEAVER,

Lancaster Co. GREENLAND, PA.

GERANIUMS

In 2¼-in. pots, extra strong, $3.00 per 100. Gen. Grant, S. A. Nutt, Beaute Poitevine, La Favorite, Bruant.

H. F. Littlefield, Worcester, Mass.

ROSES

CRIMSON RAMBLER ROSE

EXTRA STRONG FIELDGROWN PLANTS FOR EASTER FORCING.

We offer an extra fine lot of strong fieldgrown plants of the Crimson Rambler Rose for Easter forcing.

We desire to call the attention of the trade to the great value of this rose as a pot plant for Easter sales. It is one of the showiest and most beautiful of all hardy plants, but also makes one of the most beautiful pot plants for florists' sales, and is particularly adapted for forcing for Easter, having proved one of the most valuable novelties grown for this purpose. A Boston grower realized ten dollars each for every plant he had.

We can supply an extra fine lot of extra fine plants for potting and growing on for this purpose—plants four to five feet high, three to four strong canes each—stock in the very best possible shape. These long canes will flower from every joint, and by proper training and winding the plants can be made of immense size, covered with a perfect mass of bloom. We know of no choicer plant for the Easter trade, and florists who do not supply themselves with a lot of this stock for this purpose will regret it.

Strong fieldgrown plants, three to four canes each, four to five feet long, $3.00 per doz; $20.00 per hundred.

HYBRID PERPETUAL ROSES.

We also offer an unusually fine stock of the very choicest and most desirable varieties of **Hybrid Perpetual Roses** for growing for pot plants for florists' use for Easter and spring sales or for outdoor blooming. Our stock is unusually strong, and cannot fail to please. We can supply the following extra choice sorts, viz:

Mrs. John Laing,	Ulrich Brunner,	Paul Neyron,	Gen'l Jacqueminot,
Mme. Gabrielle Luizet,	Anna de Diesbach,	Margaret Dickson,	Magna Charta,
Baroness de Rothschild,	Clio,	Baron de Bonstetten,	Marshall P. Wilder,
Prince Camille de Rohan,	Alfred Colomb,	Etc., etc.	

Strong fieldgrown plants, extra heavy, $2.00 per doz.; $12.00 per hundred.

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Send for our Special Price List of Palms and other Decorative Plants.

1897 CROP. HIGHEST QUALITY.

FLOWER SEEDS FOR FLORISTS

VERBENA SEED.

M. & S. New Giant Perfection, containing only the choicest New Giant flowering and brightest colors, viz.: White, Blue, Purple, Scarlet, Pink, Striped and Occulated. The handsomest ever grown. Trade pkt., 50c.; oz., $3.00. Mammoth Mixed, trade pkt., 30c.; oz., $1.75. Very Choice Mixed, trade pkt., 25c.; oz., 1.00.

PHLOX DRUMMONDI DWARF.

M. & S. Superb Mixed, Comprising only the most brilliant, showy and salable colors. pkt., 20c.; trade pkt., 60c.; ¼-oz., $1.00; oz., $4.00.

Very Fine Mixed. Good colors, pkt., 10c.; trade pkt., 25c.; ¼-oz., 75c.; oz., $2.50.

CATALOGUE FREE.

MOORE & SIMON

SEED GROWERS

PHILADELPHIA

LA PURITE..

Single White Geranium

The florets are perfectly round, forming a large compact truss of pure snow-white flowers on strong footstalks, which literally cover the plant when in full bloom. It is the most distinct and valuable Single White Geranium in existence. Absolutely pure as a bedding variety, and never burns under the rays of our summer sun.

I take great pleasure in introducing this magnificent new Geranium.

PRICE $3.00 PER DOZEN.

Send for circular giving full description.

FLORENCE ANTHONY, Florist,

161 Douglass Street, Reading, Penn.

CLARK BROTHERS,

MANUFACTURERS OF

Paper Seed and Bulb Bags

of every description, except Lithographic Bags.

61 Ann Street.... NEW YORK.

Kennicott Bros. Co. is the oldest and most reliable wholesale commission cut flower establishment in Chicago.

Don't Delay. Order Now. **You Will Want Them for Your Spring Trade.**

SEND IN YOUR ORDERS NOW FOR EARLY DELIVERY, JANUARY TO MARCH, FOR

One Hundred Thousand Hardy Low Budded Roses

IN THE FOLLOWING AND OTHER GOOD VARIETIES.

Alfred Colomb,
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Persian Yellow,

MOSS ROSES, Red and White,

RUGOSA ROSES. Red and White.

Price per 100, F. O. B. Cars, New York, $10; per 1,000, $90; in cases of 1,600 to 1,800, per 1,000, $85; my selection, per 1,000, $80.

SPECIAL PRICES on LARGE ORDERS, now in stock at New York, a few Cases in Good Assortments.

Tree or Standard Roses in best varieties, per 100, $25; per 1,000, price on application.

EXTRA HARDY RHODODENDRONS, grafted on **Parson's Hardy American Catawbiense Stock.**

Standard and Dwarf Japan Snowballs and **Hydrangea Paniculata Grandiflora.**

Hardy Azaleas, Mollis and Ghent in best named varieties—fine budded Plants.

Strong Rooted Clematis, THE BEST IN THE WORLD, including **Jackmanni, Hybrid Sieboldia, Henry's,** etc.

SEND ME AN ESTIMATE OF YOUR WANTS. I AM PREPARED TO SUPPLY THE BEST AT LOWEST PRICES.

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Descriptive Catalogues on Application.

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193 Greenwich St., NEW YORK.

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EVERY one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

Why do we make such an unparalleled offer? It is very simple.

You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

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ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

CUT STRINGS, 8 TO 10 FEET LONG, 50 CTS. EACH.

Shipped to any part of the Country.

Azalea Indica.

Fine Plants, well set with buds.

10 to 12 inch crowns, per hundred.....$38.00
12 to 13 inch crowns, per hundred. 50.00
13 to 15 inch crowns, per hundred..... 60.00

Araucaria Excelsa.

Excellent Plants in fine condition.

10 to 12 inches high, per dozen..... ....$12.00
12 to 15 inches high, per dozen..... 15.00
15 to 18 inches high, per dozen..... 18.00

Asparagus Plumosa.

Strong, 2½ in. pot plants, per hundred.....$ 7.00
Per thousand..... 60.00

Cyperus Alternifolius.

2½ inch pots, per hundred $2 50

Crimson Rambler Rose.

Strong two-year plants, with several shoots, 3 to 5 feet long. This Rose forces readily and makes splendid specimens for Easter sales.
Per hundred $12.00

Spirea.

Compacta Multiflora, per hundred.. .....$5.00
Astilboides Floribunda, per hundred 5.50

Lily of the Valley.

Strong Berlin Pips. Per thousand.....$10.50
Per case of 2500..... 25.00

A few thousand Lily Longiflorum, 5 to 7 and 7 to 9, at $20.00 and $35.00 per thousand to close out.

Also immense stocks of

Fruit and Ornamental Trees, Shrubs, Roses, Bulbs, Plants, Vines...

In fact about everything in the nursery line from Seeds to Park Trees at low rates.

Correspondence solicited.
Catalogues Free.

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HERR'S CARNATIONS

Guaranteed Stock. Facilities to propagate an immense quantity and the stock to produce them without taking any inferior cuttings. Every order, large or small, sent with a guarantee that the cuttings must be satisfactory or they can be returned at my expense and the money refunded.

Experiences with Old and New.

I will issue three of these during the season and endeavor to make them of special interest to all who grow carnations. Please mail me your address on a postal card and they will be sent you whether you ever buy of me or not.

ALBERT M. HERR,

Lancaster, Pennsylvania.

Pansies and Smilax....

For Geraniums and other soft-wooded stock send for list to D. K. HERR, Lancaster, Pa. They can be shipped in same box with Carnations if desired.

Get Acquainted

.....with your fellow-craftsmen. We will introduce you. Every subscriber to the FLORISTS' REVIEW is requested to send to the editor a cabinet size photograph with name and address on back, for use in our

General.....
Introduction

Page groups of these portraits will be published from time to time until all have been presented. Photos may be sent in any time, the only condition being that you be a subscriber to the FLORISTS' REVIEW. Address

Florists' Publishing Co.....530-535 Caxton Bldg.....Chicago.

MILWAUKEE.

The first edition of the FLORISTS' REVIEW reached its interested readers here last Friday and it is needless to say that it created considerable comment among the craft. At the wholesalers' where the trade congregated, the new paper was the topic of discussion and from remarks heard it certainly will find many friends and subscribers here. The introductory idea is a good one, as considerable impression is gained by seeing the faces of those with whom you are likely to have correspondence.

Trade.

Nothing unusual in the way of trade occurred the past week. The weather has been of the tantalizing order, not enough snow for sleighing and just too much for good wheeling. Good stock is extremely scarce. Beauties of fine quality range from $1.50 to $2.00 per dozen; Maids, Brides, Perles, Meteor from $2.00 to $6.00 and good Carnots bringing $3.00 per 100. Carnations $1.50 to $2.00, Violets $1.00 to $1.50 per 100. Chrysanthemums are about gone; a few good flowers still come straggling in but Thanksgiving day usually winds up their career for the season.

Growers are predicting a scarcity of stock for Xmas, crops all seem to be off at present and the continued dark weather the past week has changed calculations some, for those who had a good supply figured out for Xmas.

Heavy snows in the north have somewhat checked the inflow of green, which up to the present time has been quite plentiful.

As the result of a runaway, Adam Currie, of Currie Bros., is laid up at his home badly bruised. Nick Zweifel is also on the sick list.

The florists are endeavoring to organize a Bowling Club. They already have in view some of the trophies to be competed for at the next convention of the S. A. F. at Omaha.

GEORGE WASHINGTON.

Special clearing sale of wire work at Kennicott Bros. Co., Chicago.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100; $20 per 1,0 0. Send for samples...
Cash with the order.
FRED. BOERNER, CAPE MAY CITY, N. J.

Please mention the Florists' Review when writing advertisers.

Mayor Pingree Carnation.

AN UNDOUBTED SUCCESS.

THIS MEANS THAT WE HAVE OTHER GOOD SEEDLINGS.

Our Next Introduction...

Will make its debut at the meeting of the American Carnation Society in Chicago next February.

Look for it. And there are some others in sight.

JOHN BREITMEYER & SONS,
Gratiot and Miami Aves. DETROIT, MICH.

Carnations
New and Standard Sorts

New Rose
MRS. ROBERT GARRETT
HYBRID TEA.
Rich, soft pink. Best Introduction of Recent Years

Orders booked now.
Delivery March 15th, 1898.

CORRESPONDENCE SOLICITED

H. WEBER & SONS
Oakland, Maryland

Carnations...

All the New and Standard varieties at the Right Prices
Correspondence Solicited

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

THE NEW WHITE CARNATION...

"EVELINA"

has had many visitors who were delighted with her presence, and were so well pleased at her cheerful disposition and behavior that a second audience was requested.

She takes this opportunity of extending a most hearty invitation to all interested in her species to call upon her while in her city, and will be pleased to return the call at an early date, whenever an invitation is extended.

INTRODUCTION.

Is a pure white, of large size, good form and substance. An extraordinary strong Calyx, is fragrant, and borne on long stiff stems that always carry the bloom erect. It is a free, early, and continuous bloomer, is of good habit; a strong, free and healthy grower; last year quite a few plants produced from 30 to 50 flowers by the first of January. She won the Ward cup for best Commercial White at the Cincinnati meeting of the American Carnation Society; also a certificate of merit at the Indianapolis and St. Louis Chrysanthemum shows.

Have already booked orders for over 7,000 for Cincinnati alone, which proves the popularity of this sterling variety. You will make no mistake in giving it a trial. Orders filled strictly in rotation. Price: Strong well rooted cuttings, $10.00 per 100; $45.00 per 500; $80.00 per 1,000. Cash, or satisfactory reference, please.

R. WITTERSTAETTER,
SEDAMSVILLE, OHIO.

NEW CARNATION, **"Empress"**

The largest bright-rich Crimson yet introduced. Price, **$10.00 per 100.**

WM. SWAYNE,
Box 226. Kennett Square, Penn.



New Carnations.

White Cloud. An excellent commercial white, strong, vigorous habit, large fragrant flower, long, strong stem, early and constant bloomer. A. C. S. certificate.

Gold Nugget. Conceded the best yellow ever grown, color clear and deep, only slightly marked with red. Large flower, strong stems and vigorous habit. Early and continuous bloomer. Missed A. C. S. certificate by one point for lack of fragrance.

New York (Ward). Bright cerise pink, strong vigorous habit, constant bloomer. Certificate.

Mrs. James Dean (Ward). Clear silvery pink, strong vigorous habit, large flower, constant bloomer. Certificate.

John Young (Ward). White deeply fringed fragrant flowers, strong grower, free bloomer. A first class commercial variety.

Bon Ton (Ward). Bright warm scarlet, strong habit resembling Portia, large flower, stiff stem.

Prices for above varieties: $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We have all the principal 1897 Novelties and other standard varieties at lowest prices.

New Chrysanthemums.

Mrs. C. H. Peirce. A soft deep yellow of greatest commercial value. Large flower of globular form, with straight petals slightly curved at tip. Full to center and of greatest substance, good stem and heavy foliage. Recommended for certificate by N. C. S., scoring commercial scale: Boston 91, Philadelphia 90, Cincinnati 87, Chicago 90.
35c each; $3.50 per doz.; $25.00 per 100.

Snow Queen. A commercial white. Large, nicely finished rounded flower, full to center, good substance, stem and foliage. N. C. S. certificate. 50c each; $5.00 per doz.; $35.00 per 100.

Merry Christmas. The best and latest of all whites. A well formed flower of style of Mutual Friend but of much greater substance, and full to center. Dec. 20th to Jan. 1st.
25c each; $3.50 per doz.; $25.00 per 100.

SEND FOR DESCRIPTIVE PRICE LIST.
READY JANUARY, 1898.

F. DORNER & SONS CO., La Fayette, Ind.

Following is the form of certificate we issue to subscribers:

$1.00 **$1.00**

The Florists' Publishing Company, Chicago.

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_____, is entitled to the annual dividends on one-tenth of a share (par value of each share $10.00) of the stock of the FLORISTS' PUBLISHING COMPANY, of Chicago, Ill., that has been placed in my custody as Trustee, so long only as

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This certificate is transferable only to _____ successor in business, and then only on application to the undersigned. Dividends will be made of net profits on the first day of January of each year.

Certificate holders are reminded that by confining their purchases to those who adverti e in the FLORISTS' REVIEW (always mentioning the paper when writing) they will greatly enhance the earning power of their certificates.

Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL)

_____,
Trustee.

BUFFALO, N. Y.

I did it, and it did not take me long to run out to this town of Corfu, renowned for the fine carnations produced by Messrs. Giddings, Webb and Scott, all of whom ship to the Bison City, where W. F. Kasting handles the product of the two first named, whilst Mr. Scott handles at his stores on Main St. and Cold Springs all that can be raised on his farm, and 'tis a capital farm at that; excellent soil, pure atmosphere; a pleasure to grow stock under such conditions. Roses are done well also, but to award the palm we must retrace our steps a few miles and drop in on W. J. Palmer, Sr., at Lancaster, where Meteors are grown by the acre (fact) and is the most popular rose in Buffalo to-day.

W. J. Palmer, Jr., reports larger sales then usual at Thanksgiving. This was also the verdict of Philip Scott, S. A. Anderson and Andy Adams, while out at Cold Springs, Louis Neubeck, of the Scott greenhouses, had all he could do. Mr. Scott was around as usual, but at reduced speed, owing to a strained foot consequent upon wearing pumps at the resent meeting of the St. Andrews Society, something he does not often do (dance the Highland fling). This, however, is a small matter, being fully compensated for by the bestowal by the said society of a magnificent diamond studded badge to him as retiring president, an addition to several other mementoes held precious by him. A run through the place showed a fine lot of stock for the holidays.

Mrs. Newlands is working up a big stock for the usual cemetery trade. Mr. Wasson is very successful with Perles, which appreciate the low benches substituted last summer for high ones.

Owing to a flaw the acceptance by the board threw out the estimates submitted for that new range of houses at West Seneca, and the dream of the parties who hoped to help fill them (the houses, not the commissioners) will not be realized for another season. Meanwhile Prof. Cowell, who is equally disappointed, is puzzling himself where to put the surplus stock. He will have shortly a grand show of cyclamens. It is too bad the location is somewhat remote for visitors at this season, as Mr. Cowell has always something worth seeing; but he doesn't mind it, says it gives him opportunity for reflection. W. M.

EVERGREENS

Specimens for Pots and Winter Decorations.

Send for Descriptive Catalogue and Trade List

SAMUEL C. MOON,

MORRISVILLE, - Bucks Co., - PA.

PLANT LABELS.

BEST grade of stock, 15 cts. per 1000. Florists' other printed supplies at corresponding LOW PRICES. Send for samples.....

PAYTON & BENNETT, Printers.

8 and 10 No. Limestone Street

SPRINGFIELD, - OHIO.

READY NOW. Japan. Lily. Bulbs

IN THIRTY VARIETIES

To close out surplus stock we offer for IMMEDIATE ACCEPTANCE

PALMS..... RHAPIS FLABELLIFORMIS

1-3 feet high, per 10 shoots, $2.50; per 100 shoots, $20.00. Extra fine for HOLIDAY TRADE.

SURPLUS.. LILIUM LONGIFLORUM

5 to 7-inch. Extra fine bulbs, per 1000, $12.00, net. ORDER NOW.

CYCAS REVOLUTA STEMS

for spring delivery. Also Japan Maples, Iris K., Tree and Herbaceous Pæonies, California grown Flower, Shrub and Tree seeds. Send for Price Lists and Descriptive Catalogue. Address

H. H. BERGER & CO.

BRANCH: 220 BROADWAY.

SAN FRANCISCO, CAL. (ESTABLISHED 1878.) NEW YORK.

100,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION.

Fine Pot Plants, $2.50 per 100; $20 per 1000. Rooted Cuttings, 75c per 100; $6.00 per 1000; $50 per 10000.

NO RUST OR MILDEW. PACKED LIGHT AND..... SATISFACTION GUARANTEED.

We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.

Send for Circular. J. L. DILLON, BLOOMSBURG, PA.

...BARGAINS IN...

NURSERY STOCK.

GET OUR PRICES ON

Herbaceous Pæonies, CLEMATIS, HARDY SHRUBS, FRUIT TREES, ROSES, SMALL FRUITS

W. & T. SMITH CO.,

Geneva Nursery. GENEVA, N.Y.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of and Dealers in WIRE & DESIGNS

.....FLORISTS' & SUPPLIES

FLOWER POTS.

We manufacture all kinds of Flower Pots, etc., making a specialty of.....

Florist Standard Pots Send for price list and samples (which will be sent free) and we know you will give us your order.

J. G. SWAHN'S SONS, P. O. Box 78, Minneapolis, Minn.

"Get Acquainted

with your fellow-craftsmen. We will introduce you. Every subscriber to the FLORISTS' REVIEW is requested to send to the editor a cabinet size photograph with name and address on back, for use in our

General..... Introduction

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FLORISTS' PUBLISHING CO.

530-535 Caxton Building, Chicago.....

cannas

PRESIDENT McKINLEY: Color, brilliant crimson, with bright scarlet shading. Truss, large, compact, of good shape, held well above the foliage and the flower spikes are produced freely and evenly. Plant is dwarf, 2½ to 3 feet in rich soil. Foliage deep green with marked chocolate margin. Plant stools freely, is a compact, even grower. It is one of the earliest bloomers, coming into flower when 14 to 18 inches high and blooming continuously thereafter. The effect when massed is extremely brilliant, the contrast between the brilliant flower and deep green foliage being rich, chaste and effective. A marked improvement upon Columbia, Charles Henderson, Flamingo, Beaute Poitevine and all crimson Cannas introduced to date. Undoubtedly the King of Crimson Bedders. Unexcelled as a pot plant and invaluable to those who grow 3 and 4-inch stock for spring sales, as it gives dwarf, compact, well furnished plants with grand heads of striking color. As an all-round florists' canna, this variety has no superior. Certificated. Price 60 cents each, $5.00 per dozen, $40.00 per 100, from 4-inch pots, February delivery.

DEFENDER: Color, clear yellow, striped with bright scarlet Height, 3 to 3½ feet. Habit somewhat resembling Columbia. An early, very profuse bloomer, producing fine large heads of broad petaled flowers. Foliage clean, distinct and a good grower. This canna will prove very effective for massing, as it produces a greater proportion of flowers to the foliage than almost any other yellow canna. Certificated. Price 60 cents each, $5.00 per dozen, $40.00 per 100, from 4-inch pots, February delivery.

Also Tarrytown and President Cleveland at same price. Mrs. Fairman Rogers, 4-inch pots, April delivery, $2.00 per dozen, $15.00 per 100. Souv de Ant Crozy—Pierson's Premier, Florence Vaughan, Eldorado, Queen Charlotte, Egandale, Admiral Avellan, Beaute Poitevine, Madame Crozy, Bouvier and other standard sorts, at lowest market rates.

Four Grand Early Pink Chrysanthemums.

ROSE OWEN: One of the best very early pink chrysanthemums of recent introduction. Ready last of September to 10th of October. Height, 3½ feet. Clean, neat grower, perfect stem, with bright, waxy foliage well up to the bloom. Color bright, clear pink, V. Morel shade. Incurved Japanese flower, large to extra large when well grown. Will bear close planting, as foliage is not dense. We offer this variety with much confidence, knowing it will give satisfaction as an early, commercial pink. Every bloom sent to New York market was snapped up at once by leading florists. Having a fine, clean stock, we shall be prepared to fill large orders. No grower who needs a clean, bright, first early pink should neglect Rose Owen. Dozen, 75 cents; 100, $5.00; 1,000, $45.00.

J. H. WOODFORD: A beautiful, large shell pink shaded to center; high globular form, with heavy, broad, closely incurving petals, strong stem and fine foliage; extra early; can be cut October 5th to 10th. Crowns or terminals; on crowns color is pure white, 4 feet. A grand early pink to follow Rose Owen. Nothing better in its color for a second early. Dozen, 75 cents; 100, $5.00.

GEO. F. ATKINSON: Clear shell or mermaid pink, high built globular bloom of great substance and largest size. Early, flowering immediately after J. H. Woodford. Stiff stems and splendid foliage. A fine commercial sort, 3½ feet. Dozen, 75 cents; 100, $5.00.

BELLE OF CASTLEWOOD: Rich, enameled shell pink, broad petaled incurving Japanese, distinct and pleasing shade. Immense bloom on a grand stem, with splendid foliage. Too much cannot be said in favor of this variety, as it is one of the most chaste and beautiful chrysanthemums in existence. No grower should be without it. Dozen, 75 cents; 100, $5.00.

The Two Best Very Late White Chrysanthemums.

DOROTHY DEVENS: Undoubtedly the very best late white. Magnificent snow white, largest size, globular form, clear delicate finish, grand stem, rich deep green foliage. December 1st to 10th, 3½ to 4 feet. Dozen 75 cts., 100 $5.00.

MRS. R. CRAWFORD: November 20th to December. Extra large clear white, fine in every way. Flower large and well built, one of the very best; 3 feet. Dozen 50 cents, 100 $3.00.

A Grand Late Pink.

THE HARRIOTT: Deep Rose, silvery reverse, large bloom of great substance, 3 feet. Ready December 1st to 15th. A grand commercial pink. Dozen 75 cents, 100 $5.00.

If you need Carnations, Geraniums, Kentias, Boston Fern, &c., write for our January List.

THE COTTAGE GARDENS,

C. W. WARD, Manager. QUEENS, N. Y.

NATHAN SMITH & SON'S



ARE UNRIVALED

Five of our Twelve Blooms in the International Contest at Chicago, which were awarded the capital prize, were varieties originating with us.

Our Collections of new varieties for 1898 will be few in number but great in quality. Descriptions and prices will be announced later.

Stock Plants we have in large variety and will be pleased to quote prices on receipt of list wanted.

NATHAN SMITH & SON, 167 W. Maumee St., ADRIAN, MICH.

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Buy to best advantage always, but, everything else being equal, give the preference to those who advertise in the paper in which you have an interest.

Witness my hand and seal at Chicago, Ill., this _____ day of _____, 1897.

(SEAL) _____,

Trustee.

THE NEW WHITE

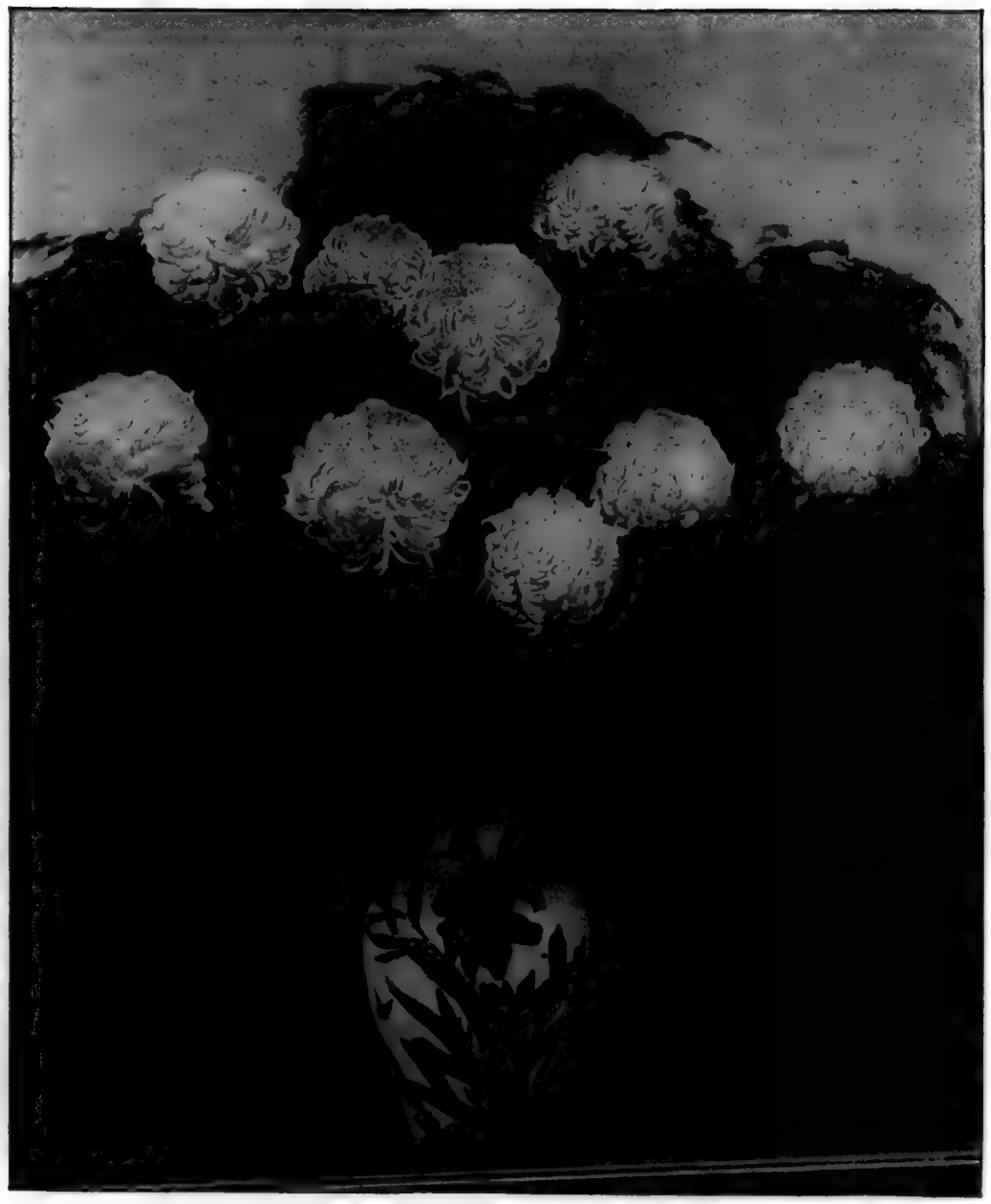
Chrysanthemum Frank Hardy

THE GREATEST PRIZE WINNER OF THE SEASON.

Awarded 1st Prize, Boston, against all the whites. Awarded by the National Chrysanthemum Society, Points as below.
Certificate of Merit Chicago, and many other Certificates and Awards.

NEW YORK
95
POINTS

CHICAGO
94
POINTS



BOSTON
94
POINTS

PHILADELPHIA
89
POINTS

DESCRIPTION—Incurved Japanese, white, flower of extraordinary depth, foliage up to the flower, stem very stiff and erect; midseason, good keeper and shipper. The ideal commercial and exhibition bloom.
Price 50c each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand.
Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

CHRYSANTHEMUMS

We Are.....

Headquarters

. . . . . for all the best varieties of Chrysanthemums. All the new sorts of 1897-98. Full information given in our January list of all the newer sorts and how they have ranked compared with standard sorts; also heights, bud to take and time of blooming, as far as possible.

Ready Now--

Stock Plants of the two commercial early varieties.

LADY FITZWYGRAM, the earliest, finest and most graceful white variety, $8.00 per hundred; Sept. 22; use crown bud; height 2½ ft. It is earlier and sells better than *Bergmann.*

GOLDEN TROPHY, follows *Marion Henderson;* height 2½ ft.; elegant foliage; very large compact globular yellow flower. $15 per hundred.

Also stock plants of 12 of the finest introductions of the past spring—American Novelties, for $2.00.

Carnations

FLORA HILL. The finest white to date, orders now being booked for rooted cuttings which will be delivered in rotation, beginning in January. We have an immense stock in elegant condition. $5.00 per hundred, $40 per thousand. See our January list for other varieties and novelties.

Rose

PREST. CARNOT. A limited number of strong 2-year old plants at $10 per hundred. The grandest market rose extant; every shoot brings a perfect bud.

FICUS BELGICA, (the long-leaved Rubber). Perfect plants from top cuttings in 4-inch pots, $3 per dozen, $22.50 per hundred. This stock is in elegant condition.

Palms (Must have the room)

ARECA LUTESCENS. Three plants in 6-inch pots, in perfect condition, 20 to 24 in. high, $40 per hundred.

LATANIA BORBONICA, 6-inch pots, nicely furnished, just what you want for the holiday trade. First size, $50 per hundred; second size, $40 per hundred.

Asparagus

SPRENGERII. Invaluable to every florist. 2½-inch, $6 per hundred.

PLUMOSUS. 2½-inch, $6 per hundred.

Our **January List** will describe and price some very pleasant surprises in the way of novelties for we have never had so many fine new things to offer—among them some extraordinary departures in **Geraniums** (gathered from all the best foreign growers). **Cannas,** Italian, French and American. Two new varieties of the Giant Race of **Heliotropes.** A few good new **Roses.** A new **Russellia. Paris Daisy.** A set of **Phloxes,** etc., etc.

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Our stock of Palms has never before been so complete at this season of the year as now, forty of our largest houses being filled with stock, from little seedlings up to specimens 10 ft. high. Our stock of Kentias, that best of all Palms, is especially fine. Of these we are carrying the largest stock and best assortment of sizes to be found in any one establishment in the world.

KENTIA BELMOREANA.

2¼-inch pots,		3	leaves,	6 to 8	in. high	....	$ 2.00	per doz.	$15.00	per 100
3	"	"	4 to 5	"	10 to 12	"	....	3.00	"	25.00	"
4	"	"	5 to 6	"	15 to 18	"	....	6.00	"	50.00	"
5	"	"	5	"	22 to 24	"	....	1.35	each		
6	"	"	6	"	24 to 30	"	....	1.75	"		
6	"	"	6	"	30	"	....	2.00	"		
7	"	"	6 to 7	"	32 to 36	"	....	2.25	"		
8	"	"	6 to 7	"	36	"	....	3.00	"		
8	"	"	6 to 7	"	36 to 42	"	....	4.00	"		
8	"	"	7	"	42 to 48	"	....	5.00	"		
9	"	"	6 to 7	"	48 to 54	"	....	7.50	"		
10	"	"	6 to 7	"	54	"	....	10.00	"		
12	"	"	7 to 8	"	7 feet	"	....	35.00	"		
16	"	tubs	8 to 9	"	9 "	"	....	75.00	"		

BUSHY MADE UP PLANTS.

6-inch pots,	24 to 28	inches high,	4	plants in a pot	.....	$ 1.50	each		
7 " "	30	"	"	4	"	"	"	.....	3.50	"
9 " "	36	"	"	4	"	"	"	.....	5.00	"
9 " "	48	"	"	4	"	"	"	.....	10.00	"

KENTIA FORSTERIANA.

2¼-inch pots,		2 to 3	leaves,	6	in. high	....	$ 1.50	per doz.	$12.00	per 100
3	"	"	3 to 4	"	12	"	....	2.50	"	20 00	"
4	"	"	4 to 5	"	15 to 18	"	....	5.00	"	40.00	"
6	"	"	6	"	30 to 36	"	....	1.50	each		
7	"	"	6	"	36	"	....	2.00	"		
8	"	"	6	"	42	"	....	3.50	"		
9	"	"	6	"	48	"	...	6.00	"		
9	"	"	6	"	52	"	....	7.50	"		
10	"	"	6	"	60	"	....	10.00	"		
13	"	tubs	7	"	6 feet	high	....	25.00	"		
12	"	pots	7	"	6 "	"	....	35.00	"		
14	"	tubs	7	"	7 to 8 "	"	....	35.00	"		
16	"	tubs	7	"	10 "	"	....	75.00	"		

BUSHY MADE UP PLANTS.

8-inch pots,	3	plants in a pot,	36 to 42	inches	high	.....	$ 3.50	each	
10 " "	4	"	"	5	feet	high	.....	10.00	"
12 " "	5	"	"	6	"	high	.....	25.00	"

ARECA LUTESCENS.

2-inch pots.	$1.00	per doz.,	$6.00	per 100,	$50.00	per 1000.				
3 "	pots,	2 plants in a pot,	12 to 15	in. high	....	$1.25	per doz.	$10.00	per 100
5 "	"		20 to 24	"	....	6.00	"		
6 "	"	very bushy	28 to 30	"	....	1.00	each		
7 "	"	" "	32 to 36	"	....	1.50	"		
8 "	"	" "	36 to 42	"	....	2.50	"		
8 "	"	" "	42 to 48	"	....	3.00	"		
9 "	"	heavy single plants	4 to 5	feet	....	5.00 to 6.00	each		

LATANIA BORBONICA.

2-inch pots,	3 to 4	leaves	.....	60 cts.	per doz.,	$ 4.00	per 100,	$35.00	per 1000	
3 " "	4 to 5	"	.....	$1.25	"	10.00	"	80.00	"	
4 " "	4 to 5	"	.....	3.00	"	25.00	"			
5 " "	5 to 6	"	18 to 20	in. high	.....	$ 5.00	per doz			
6 " "	5 to 6	"	18 to 24	"	.....	9.00	"			
7 " "	6	"	24	"	.....	12.00	"			
7 " "	6 to 7	"	26 to 30	"	.....	15.00	"			
8 " "	7	"	36	"	.....	30.00	"			

COCOS WEDELIANA.

3-inch pots,	8 to 10	inches high	.....	$2.50	per doz.,	$20.00	per 100		
3 " "	10 to 12	"	"	.....	3.00	"	25.00	"	
4 " "	15	"	"	.....	5.00	"	40.00	"	
8 " "	36 to 42	"	"	.....	6.00	each			

PHŒNIX CANARIENSIS.

8-inch pots,	30	inches	high,	bushy	.....	$1.75	each	
9 " "	36	"	"	"	.....	2.50	"	
9 " "	36 to 42	"	"	"	.....	4.00	"	

LAURUS NOBILIS.—BAYS.

Standard Shaped.

9-inch pots,	5	ft.	high,	crowns	15	inches	in	diameter	.....	$ 2.50	each
In tubs,	6	"	"	3	ft.	"	"	.....	10.00	"
"	6½	"	"	3½	ft.	"	"	.....	12.00	"
"	6½	"	"	3¾	ft.	"	"	.....	15.00	"
"	7	"	"	5	ft.	"	"	.....	40.00	"

PYRAMIDAL SHAPED.

In tubs,	7	ft.	high,	32	inches	in	diameter	at base	.....	$10.00	each
"	8	"	"	36	"	"	"	"	.....	12.00	"
"	8	"	"	40	"	"	"	"	.....	15.00	"

TAPERING OR CONICAL SHAPED.

9 ft.	high,	36	in.	diameter	at	base	rounded	top	12	in.	diameter	$25.00	each
8 "	"	54	"	"	"	"	"	"	30	"	"	40.00	"

PYRAMIDAL SHAPED BOX.

32 to 36 inches high, 15 inches diameter at base ..... $2.50 each

STANDARD SHAPED BOX.

26 to 28 inches high with crowns 12 inches in diameter ..... $1.00 each

ARAUCARIA EXCELSA.

4-inch pots,	6 to 8	inches	high,	2 to 3	tiers	.....	60 cts.	each
5 " "	12 to 14	"	"	3	"	.....	$1.25	"
" "	24 to 30	"	"	5	"	.....	2.00	"

ARAUCARIA EXCELSA GLAUCA.

5-inch pots,	10	inches	high,	3	tiers	.....	$1.25	eac
7 " "	18 to 20	"	"	4	"	.....	2.50	"

ARAUCARIA ROBUSTA COMPACTA.

It is seldom that we are in a position to offer this beautiful dwar variety in quantity, the stock we offer is very fine.

5-inch pots,	2	tiers,	8	inches	high,	.....	$1.35	each
6 " "	3	"	10	"	"	.....	1.50	"

ADIANTUM FARLEYENSE.

3-inch pots,	fine plants	.....	$ 3.00	per doz.,	$20.00	per 100
4 " "	" "	.....	5.00	"	40.00	"
5 " "	" "	.....	9.00	"	70.00	"
6 " "	" "	.....	12.00	"	90.00	"

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The most graceful and hardiest of all the Tree-Ferns. A variety that will stand the same treatment as a Palm and a most decorative plant in every way. We offer beautiful specimens, 6-inch pots, $1.50 each; 7-inch pots, $2.50 each; 8-inch pots $3.50 each.

DRACÆNA BRUANTI.

A variety that is but little known, dark green foliage, graceful and as tough as a Rubber-plant; just the thing for retailing at Xmas.

4-inch pots,	10	inches	high	.....	30	cents	each	$3.00 per doz
5 " "	18	"	"	.....	50	"	"	5.00 "

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" 1000 " - - 25.00
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Grows 4,000 Smilax "

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Cyclamens 3½-inch pots, $4.00 per 100.
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FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

SCARBOROUGH, N. Y.

A hurried visit to the rose growing establishment of F. R. & P. M. Pierson revealed the roses growing there in excellent condition, three 300-foot houses of Meteors and four 300-foot houses of Beauties fully sustained the reputation of these growers. They contemplate erecting two even-span houses, north and south, the same length as above, during the coming spring. Several benches of A. cuneatum, in small houses running parallel to the rose houses, and on the north side, showed a wealth of fronds, and sell fairly well at seventy-five cents to $1.00 per 100.

Mr. J. Henshaw, the genial foreman, said that next year it was quite possible they might run the whole lot of rose houses in Beauties, "not that they loved Rome less, but Cæsar more," but because their success with Beauties was unprecedented, and the demand for this favorite was always good. B.

HORNELLSVILLE, N. Y.

W. A. Wettlin reports a good season. His grower, Jas. Powers, has a pretty lot of cinerarias and primulas for the holidays. These will sell at sight, being well grown stock. W. M.

"Get Acquainted

with your fellow-craftsmen. We will introduce you. Every subscriber to the FLORISTS' REVIEW is requested to send to the editor a cabinet size photograph with name and address on back, for use in our

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LEUCOTHOE SPRAYS—per 100, 75c.; per 1,000, $6.00.
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I am packing Original Assorted Cases for Florists, as follows:
Case A. 5,000 Galax, assorted sizes and colors, for $3.75.
Case B. Same as Case A and 200 Leucothœ Sprays additional, for $5.00.
Case C. 10,000 Galax, assorted sizes and colors, $7.50.

Terms, Cash.
Shipments from Boston or North Carolina.....

Give explicit shipping directions, otherwise I use best judgment. Telegraph orders save time. Order one or more cases as above; or in very large cases, Galax by thousands, color and size; Leucothœ Sprays by hundreds or thousands. Samples and full information free.

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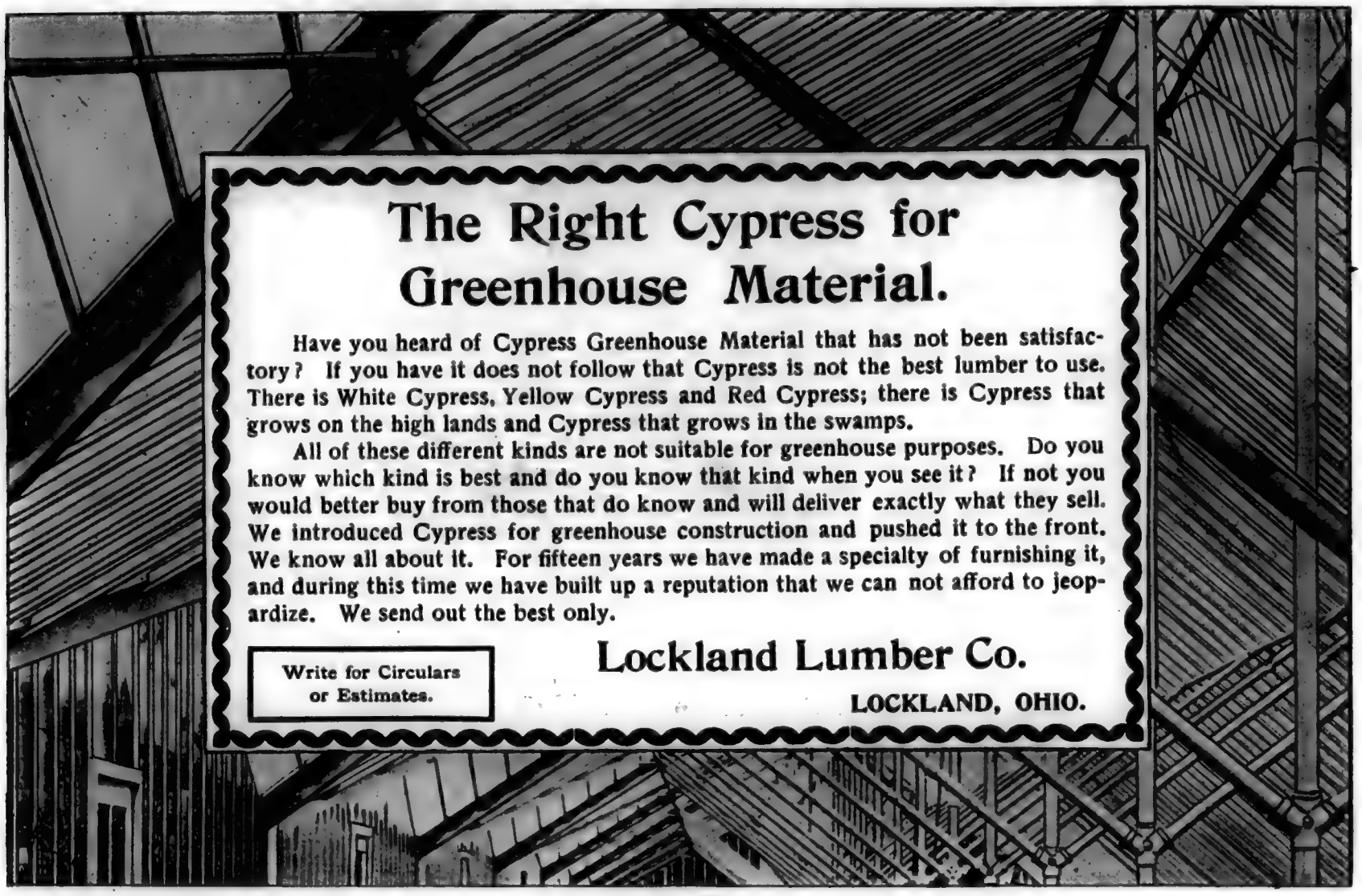
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530-535 Caxton Building, - - - CHICAGO, ILL.

SYRACUSE, N. Y.

L. E. Marquisee has been much flattered with the success obtained at the recent show with but ordinary grown stock which, however, showed much care and close attention. He is very successful in raising seedling carnations. Amongst several which a short time back would be considered fit to place on the market is one especially, a pink on the order of Albertini, but much freer in every respect, is well named Columbia. It is the cream of the collection. Another named Ideal is an improvement upon the old favorite Grace Wilder. These are free from rust. Also a grand house of Daybreaks for the holidays. Jubilee is fine and will be grown more extensively. An improved Lizzie Gilbert is well worth growing. In roses, Kaiserin, Perle, and Sunset are healthy, whilst the Bougere and Pres. Carnot are indispensable, doing immensely. Carnot is a beauty.

Mr. Marquisee will open a store down town in time for Xmas trade. W. M.

ELMIRA, N. Y.

Where, oh, where are the violets this year? That usually successful grower, Grove P. Rawson, has met his Waterloo this season and cannot account for it. But he says, "never say die," and the fact of the possession of the "Yellow Fellow" will not deter him but accelerate his speed to make up for lost crops.

Whilst "mums" have been immense roses are now on top. A splendid crop for the holidays is in sight, and carnations galore.

I noticed a healthy house of Marie Louise violets at Hoffman Bros., but foliage is much smaller than usual, and of course the demand is bigger this season than for some time past. Where is that prophet who predicted the abolition of this sweet, coy flower, and frightened many growers out of growing it? Now they are kicking vigorously because they did it and just wish they hadn't done so.

W. M.

CONCENTRATED Louisville Tobacco Extract of 30 degrees density; one gallon equals about 200 lbs of Tobacco Stems; applied by spraying or evaporating; no more need of the nasty smoking; handier and cheaper than Stems! Send **One Dollar** for a trial gallon tin. The cheapest and best insecticide is Concentrated **TOBACCO EXTRACT**

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A Field of Burpee's Pink Cupid Sweet Pea.

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Their appearance will be a surprise even to the craft.

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NEW DWARF Sweet Pea Burpee's Pink Cupid



A SINGLE PLANT, EXACTLY ENGRAVED FROM A PHOTOGRAPH OF BURPEE'S PINK CUPID.

This little wonder, like the original Cupid, hails from California, having been discovered by C. C. Morse & Co., to whom we paid fifteen hundred dollars cash for the exclusive ownership when there were only 1060 seeds in existence. It is not a sport from the original White Cupid, but an actual departure from its parent, the tall Blanche Ferry. In habit and manner of growth it is strictly a Cupid, spreading from the root, from a foot to eighteen inches around, growing from six to eight inches high, and shoots up stems about six inches long, which bear, in full bloom at once, from three to four handsome blossoms, all borne close to the end of the stem.

The illustration above has been accurately engraved from a photograph of a single plant, grown in ordinary field culture, lifted and set in a pot on a platform, for the purpose of photographing on a level with the camera. Every plant in our fields in California and New York, and at Fordhook Farm was absolutely true—a perfect "Blanche Ferry Cupid." The Flowers are always of full size, measuring from one and a quarter to one and three-eighths inches across the standard—covering a silver dollar.

Burpee's Pink Cupid bears generally three and sometimes four flowers to a stem. The illustration below was accurately engraved from a photograph EXACTLY NATURAL SIZE. The flowers are identical with the tall growing Blanche Ferry and always fully equal in size.

The flower itself is pretty enough, but its attractiveness is doubled by its association with CUPID—the first colored Cupid to follow the famous dwarf white.

The standard of the flower is wide, not infrequently measuring an inch and a half, but not over an inch high, being developed laterally. It usually curves over a trifle at the top, partly concave, which gives the standard a distinct shell-shaped appearance. The standard is a bright rose pink, while the wings are pure white or light pink. The wings are very large and finely formed; when pressed back against the standard they extend fully a quarter of an inch beyond it.

The substance of the blossom is peculiarly heavy and it will appear fresh and vigorous in a glass of water long after its long-stemmed parent has withered and died. The plant itself is vigorous and hardy, and those who had poor or indifferent success with White Cupid will find this variety **easy to grow anywhere.** The seed, which is *black*, is of wonderfully strong germination and the plant an early bloomer, coming into bloom simultaneously with White Cupid.

Though flowering early it continues in bloom very late, bearing a profusion of blossoms so thick as to completely hide the plant itself. It will be without a rival as a bedding and border annual, for its color and fragrance make it a rare novelty.

In our field crops the past season, both in California and New York, a large piece of them looks as if the ground were literally strewn with bright pink rose buds. No novelty of recent introduction has such beauty and grace combined in it as has **Burpee's PINK Cupid.** It is also delightfully fragrant, and will be admired by everyone who sees it.



In regular sized packets (each containing twenty-four seeds): Per pkt. 25 cts.; 5 pkts. for $1.00; per doz. pkts. $2.00. **Per 100 pkts. $12.50.**

In half-sized packets (each containing twelve seeds): Per pkt. 15 cts.; 2 pkts. for 25 cts.; or 10 pkts. for $1.00. **Per 100 pkts. $7.50.**

Directions for culture in English, French and German printed upon each packet.

TWO OF MANY.

REPORT FROM MR. ECKFORD.

WEM, SHROPSHIRE, ENGLAND, September 13, 1897.

MESSRS. W. ATLEE BURPEE & CO., Phila., Pa.

GENTLEMEN:—I am pleased to tell you that the "PINK CUPID" Sweet Pea you were good enough to send me for trial has been a great success. White Cupid has done much better than last year, but still not up to the Pink variety, which holds its bloom better and consequently gives a much better display. I don't think too much can be said in favor of Pink Cupid. At present, it occupies a place of honor in dwarf Sweet Peas. I am, gentlemen,

Yours faithfully, HENRY ECKFORD.

AMERICAN GARDENING.

NEW YORK, September 9, 1897.

MESSRS W. ATLEE BURPEE & CO., Phila., Pa.

GENTLEMEN:—I have just returned from a trip to Jefferson County, New York, where one of the most beautiful sights to me was a bed of PINK CUPID. It was a mass of blossoms exhaling a delicious fragrance into the air; and that its past had been equally grand was evidenced by the seed pods, while the promise for the rest of the season lay in the multitude of buds yet to expand. Truly as a flowering bedder Pink Cupid is a success.

Yours faithfully, LEONARD BARRON, Editor A. G.

FOR OTHER REPORTS see Special Catalogue mailed on application.

Wholesale Catalogue of Sweet Peas for the trade only, giving testimonials from expert Horticulturists in England, France, Germany and America, as to the hardy growth and rare beauty of **Burpee's Pink Cupid,** will be mailed to dealers on application.

W. ATLEE BURPEE & CO.

Seed Growers, **PHILADELPHIA, PA.**

If you want to buy to advantage

Buy of the Manufacturer

Floral Metal Designs Unsurpassable in style and price. Manufactured by me.

Cycas Palm Leaves Cannot be beaten either in quality or price. Prepared by me.

Wheat Sheaves The best at the lowest price. Manufactured by me.

Also the finest bleached Italian Wheat by the case or pound. Immortelles, Cape Flowers, Mosswreaths, Baskets, Artificial and Porcelain Flowers, Artificial Leaves, Bouquet Papers, Doves, Natural and Dyed Grasses, Pampas, Chenille, Wire and Wirework, Milkweeds, Vases, Tinfoil, and

Everything in the Florists' Supply line at the most reasonable prices.

Manufacturer of Metal Floral Designs... Importer and Dealer in Florists' Supplies.

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By WILLIAM SCOTT.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy.

It will be a whole library in itself Thoroughly practical. Terse. Condensed.

It will be published by the

Florists' Publishing Company

530-535 CAXTON BUILDING, CHICAGO.

IT
WILL TELL YOU
JUST WHAT
YOU
WANT TO
KNOW
IN JUST THE WAY
YOU
WANT TO BE
TOLD.

Jadoo Fibre and Jadoo Liquid

As well as plants grown in them have been awarded prizes as follows:

National Chrysanthemum Society, London, England, Nov., 1895.
Devon and Exeter Horticultural Society.
Torquay Horticultural Society.
Liverpool Horticultural Society.
Royal Aquarium, Westminster, London.
New Orleans Horticultural Society, Nov., 1896, 11 Firsts and 3 Second Prizes.
Exeter Horticultural Society, April, 1897.
Bordeaux Agricultural College, June, 1897.
Providence, Society of American Florists, August, 1897. (Honorable mention and recommendation for trial.)
The Monmouth County Horticultural Society, Sept., 1897. First Prize for 6 Specimen Crotons; First Prize for Best Centre Piece for Table; First Prize for 6 Specimen Plants of Dracaenas; Special Certificate of Merit for 6 Phrynium Variegatum; Special Certificate of Merit for Rustic Work with plants grown in Jadoo Fibre.
Society of Vine Culture, Cognac, France, Sept., 1897.
Durban and Coast Agricultural Society, South Africa, Sept., 1897.
Pennsylvania Horticultural Society, Philadelphia, Nov. 1897. 8 First Prizes for Chrysanthemums; 1 Second Prize for Chrysanthemums; 2 Prizes for Crotons; 1 First Prize for Asparagus Sprengerii; 1 Second Prize for Asparagus Sprengerii; 1 Special Prize for Dracaenas; 1 Prize for Window Box filled with Ornamental Foliage Plants.
Bordeaux, France, Nov., 1897. Silver Medal for Chrysanthemums.
Birmingham, England (Bingley Hall), Nov., 1897. Special Certificate of Merit for Jadoo Fibre and Liquid and First Prize for Cyclamens.

From the Pennrock Co., Wilmington, Del., winners of the largest Prize at the Exhibition of Pennsylvania Horticultural Society, Nov., 1897

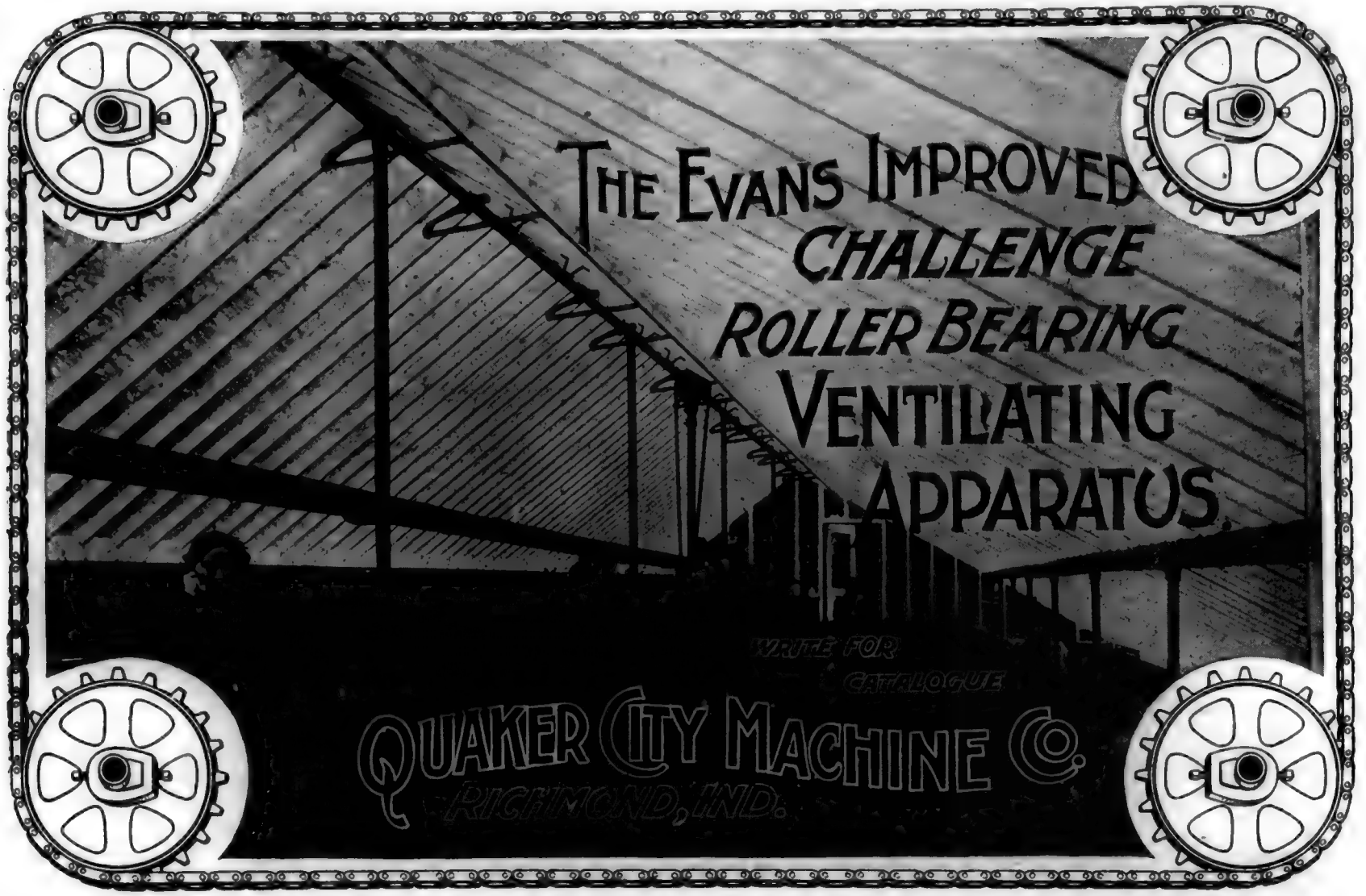
"In regard to your inquiry about Jadoo Liquid and Fibre we beg to state that we have used it this last season with good results. We grew our Exhibition plants of Chrysanthemums, which took first prize at the Pennsylvania Show, **in soil up to ten-inch pots. In those sized pots the plants became very sick and all the leaves turned yellow. We then shifted them into Jadoo Fibre and the result was simply wonderful. The plants quickly regained lost vigor and the leaves gradually assumed their natural green color. On becoming pot bound we used the Liquid twice a week and this was all the fertilizer we used. We have had excellent results also with Asparagus Sprengerii, Crotons and large Ferns grown in the Fibre and shall use it more extensively hereafter."**

We will offer Cash Premiums at all Exhibitions in 1898 for all Plants that are grown in "JADOO FIBRE" or that are watered with "JADOO LIQUID," that win scheduled FIRST PRIZES.

FOR PRICES AND FURTHER INFORMATION ADDRESS

The American Jadoo Co.,

817 FAIRMOUNT AVE., PHILADELPHIA, PA.



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By WILLIAM SCOTT.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy.

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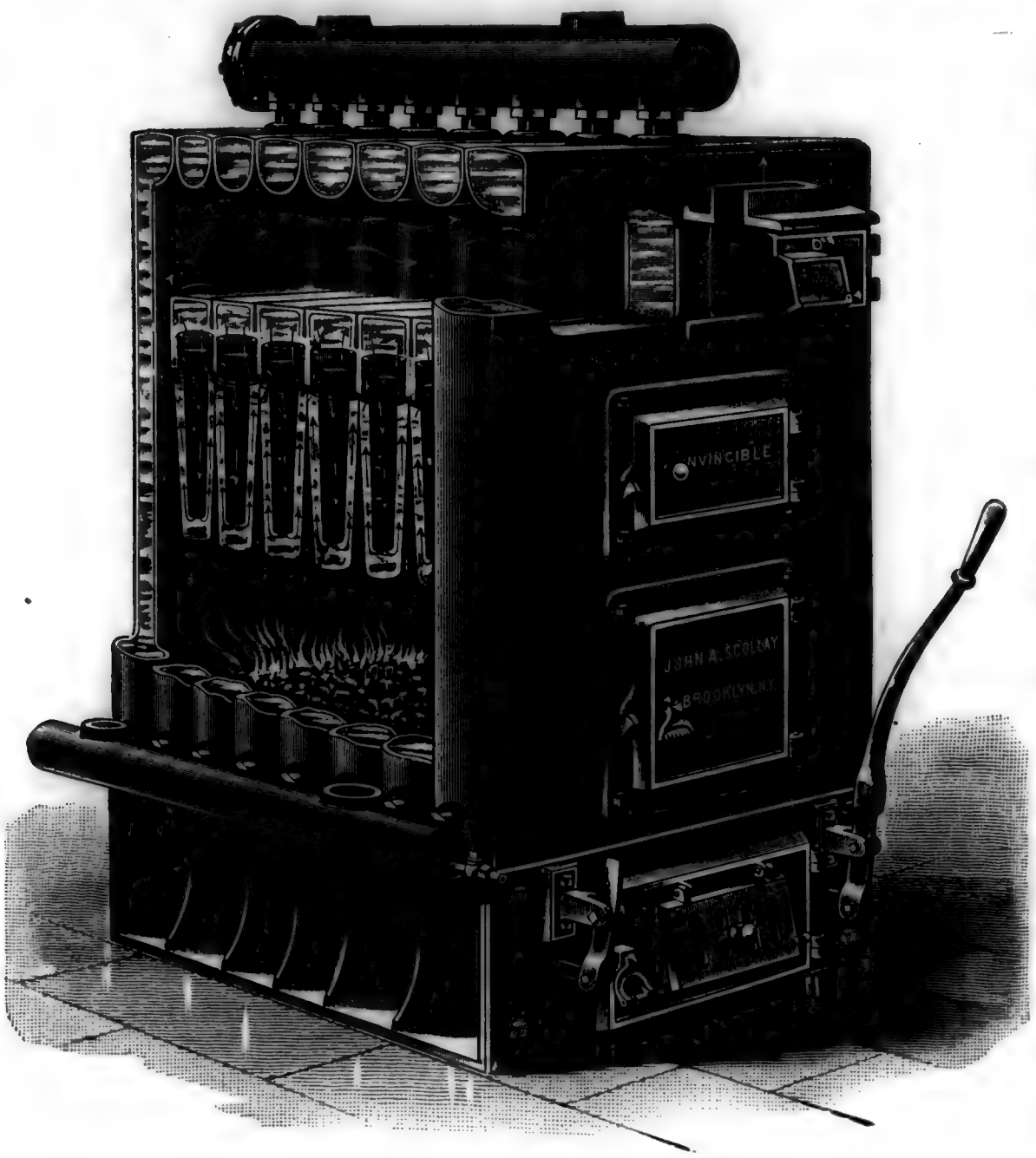
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ATTENTION FLORISTS.



It will be to your advantage to look into the Merits of the

Scollay "Invincible" Hot Water Boiler

IT IS ALL THAT ITS NAME IMPLIES, AND DON'T FORGET IT. . . . . .

Cuts and full information mailed on application

FARMINGTON, CONN., March 9, 1896.

Dear Sir: — The "INVINCIBLE" boiler you placed in my Carnation houses I am pleased to say, has given me great satisfaction. It has done all that you claimed it would do and could have done more if called upon. I did not have to run the boiler hard even when the thermometer stood 18 degrees below zero outside; it has proven itself to be "Invincible" in every respect. I find it to be a very economical boiler.

The one thing I like about it is that the heat does not all go up the chimney, which cannot be said about other makes of boilers I have on my place.

Your PORTABLE boiler I have run for three years and find it to be very economical and has done its work well in every way. Your boilers will do a great deal more than you claim for them. They are both "Invincible."

Yours very truly,
HUGH CHESNEY, Florist.

WESTBURY STATION, QUEENS CO., N. Y.
March 10, 1896.

Dear Sir: — It gives me great pleasure to inform you that the "Invincible" boiler you put in my latest greenhouses has given me the greatest satisfaction in every detail.

All the good qualities you claim for it I have found to be just as represented by you and in every way I highly recommend it.

Very truly,
MRS. CHAS. RUSSELL HONE.

Jno. A. Scollay,

231 Water St., NEW YORK. 74 & 76 Myrtle Ave., BROOKLYN, N. Y.



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A Thirst for Knowledge.

The country clergyman was nailing a refractory creeper to a piece of trellis work near his front gate when he noticed that a small boy stopped and watched him with great attention. "Well, my young friend," he said, pleased to see the interest he excited, "are you looking out for a hint or two on gardening?" "No," said the youth, "I be waiting to see what a parson do say when he hammers his thoomb."—Pick-Me-Up.

Once a customer—always a customer. Excellence wins. Our increased facilities for manufacture show it. We can take care of all orders promptly. QUAKER CITY MACHINE CO., Richmond, Ind.

LISBON, O.—John Scott, the florist, died of heart disease Nov. 26. He was forty-five years of age, and had been apparently in good health.

Mention Florists' Review when answering advertisements.

Drive in Ferns

WE MUST HAVE ROOM

2¼-inch pots in eight varieties, at $3.50 per 100; $30.00 per 1,000. These are as large as many 3-inch Ferns and good healthy stock. Ferns, 3-inch, twenty varieties, $6.00 per 100.

COCOS WEDDELIANA

2½-inch pots, at $6.00 per 100, good color, growing plants.

SAMPLES FOR STAMPS.

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GLENSIDE, PA.

THE BEST THING OUT!

GERANIUM
..MARS..
2-inch pots, $1.00 per doz.
Cash with order.
HENRY EICHHOLZ,
Waynesboro, Pa.

Cyclamen for Christmas.

4-inch pots.....$2.50 per doz., $20.00 per 100
5-inch pots..... 4.00 per doz.
6-inch pots..... 6.00 per doz.

MOONVINE, from 2-in. pots, $2.00 per 100.

CASH WITH ORDER
AUG. EGGERT, Florist, East St. Louis, Ill.

"Get Acquainted"

with your fellow-craftsmen. We will introduce you. Every subscriber to the FLORISTS' REVIEW is requested to send to the editor a cabinet size photograph with name and address on back, for use in our

General..... Introduction

Page groups of these portraits will be published from time to time until all have been presented. Photos may be sent in any time, the only condition being that you become a subscriber to the FLORISTS' REVIEW. Address

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530-535 Caxton Building,
Chicago.....



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W. C. KRICK'S
FLORISTS'
IMMORTELLE LETTERS, ETC.

Medal awarded at the World's Fair and highest award wherever exhibited.

These Letters and Designs are made of the best Immortelles wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market.

2-in. Letters, $3.50 per 100. Postage, 15 cents per 100.

For other styles of Letters, Emblems and Designs, send for catalogue. Before purchasing send for free sample and catalogue, and compare with any other letter on the market.

For Sale by all Florists' Supply Dealers.

The Perfect Flower Pot Handle and Hanger.



Is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 pounds.

No. 1, will fit from 2 to 5-inch pots, per dozen, 35c.; No. 2, will fit from 5 to 8-inch pots, per dozen, 50c; No. 3, will fit from 8 to 12 inch pots, per dozen, 60c. Postage 10c extra per dozen; sample pair, 10c, postpaid.

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Dracæna Indivisa, 6-in, 20 to 24-in. high, $18 per 100.
" " 4½-in., 15 to 20 in. high, strong, $10 pr 100
Pteris Tremula, 6-in., strong, $20 per 100.
Assorted Ferns, 5 and 6-in., fine, $2 per dozen.
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" " 5-in., 18 to 24 in. high, $70 per 100.
Adiantum Cuneatum, 3-in., $6 per 100.
Grevillea Robusta, 3 and 4-in., $6 per 100.
Otaheite Oranges, 4-in., 4 to 10 fruits, $3.50 per dozen.
Carnations, Flora Hill, rooted cuttings, $5 per 100.
Geranium, Mme. Bruant, 2½-in., $4 per 100.
" S. A. Nutt, 2½-in., $3 per 100.
" LaFavorite, 2½-in., $3 per 100.
" S. A. Nutt, rooted cuttings, $20 per 1,000.
" Mme. Salleroi, 2-in., $2 per 100.
Geraniums, standard varieties, 2½-inch pots, $25.00 per 1,000.
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Chrysanthemums, standard varieties, bench or pot stock plants, $1 per dozen.

TERMS, CASH. STOCK IN NO. 1 CONDITION.

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BRANCHING ASTER SEED.

GET THE BEST GROWN.

IN WHITE ROSE PINK AND LAVENDER.

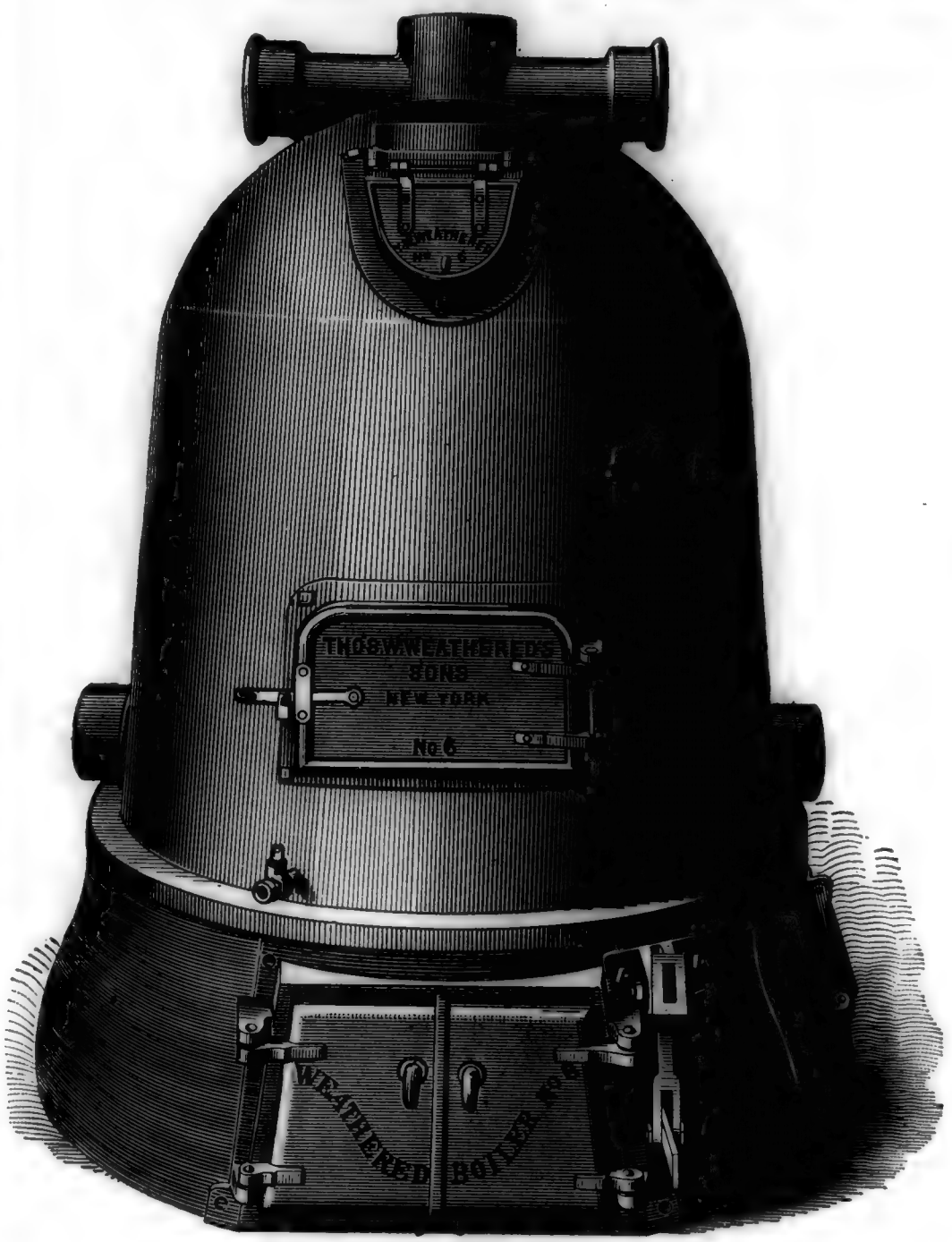
In quantities to suit purchaser. Prices on application. Crop of 1897.

J. G. KEELER,
587 Monroe Ave., ROCHESTER, N. Y.

ESTABLISHED 1859

Thos. W. Weathered's Son,

HORTICULTURAL ARCHITECT AND BUILDER



AND MANUFACTURER OF.....

Greenhouse Heating AND Ventilating Apparatus

The Weathered.....

IS NOT a new fangled idea, like so many now on the market, of very peculiar shape, and in my opinion more remarkable for the ingenuity of their construction than for practical utility. The Weathered is simple, durable and effective—proven by the large number in use, and duplicate orders from satisfied customers covering a period of 30 years. I don't advertise free boiler fuel—don't have to—you would use so little that you would'nt want me to.

SEND 4 CENTS POSTAGE FOR ILLUSTRATED CATALOGUE.

This cut shows the outside view of Double Dome Weathered Boilers....and refers to Sizes Nos. 5 and 6.

141 Centre St., - New York.

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For the Holidays
You will need our goods

There are none better---they will make you money.

Following are only.....

A Few of Our Specialties

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Baskets
fancy and plain,

Immortelles
all colors,

Enameled Celluloid and Willow Pot Covers,

Moss Wreaths,

Enameled Pedestals,

Artificial and Wax Flowers and Leaves,

Doves,

Sago or Cycas Palm Leaves
of various qualities and prices.

Metal Designs,

Dried Grasses, Chenille,

Galax Leaves, Lycopodium,

Our Famous Unparalleled
Wheat Sheaves
flat and standing.

We take this opportunity, to again call your attention to the real live fact that we are importers and manufacturers of

Florists' Supplies

.....Second to None

We are agents for Caldwell's Southern Greens.
Also sole agents for Myer's Standard Iron Flower Stands.

If your name does not already appear on our books, there must be something wrong, and to convince you of the just treatment you would receive from us, make inquiries of any of our numerous customers; we then will feel confident of your patronage.

M. RICE & CO.

25 N. 4th St., Philadelphia, Pa.

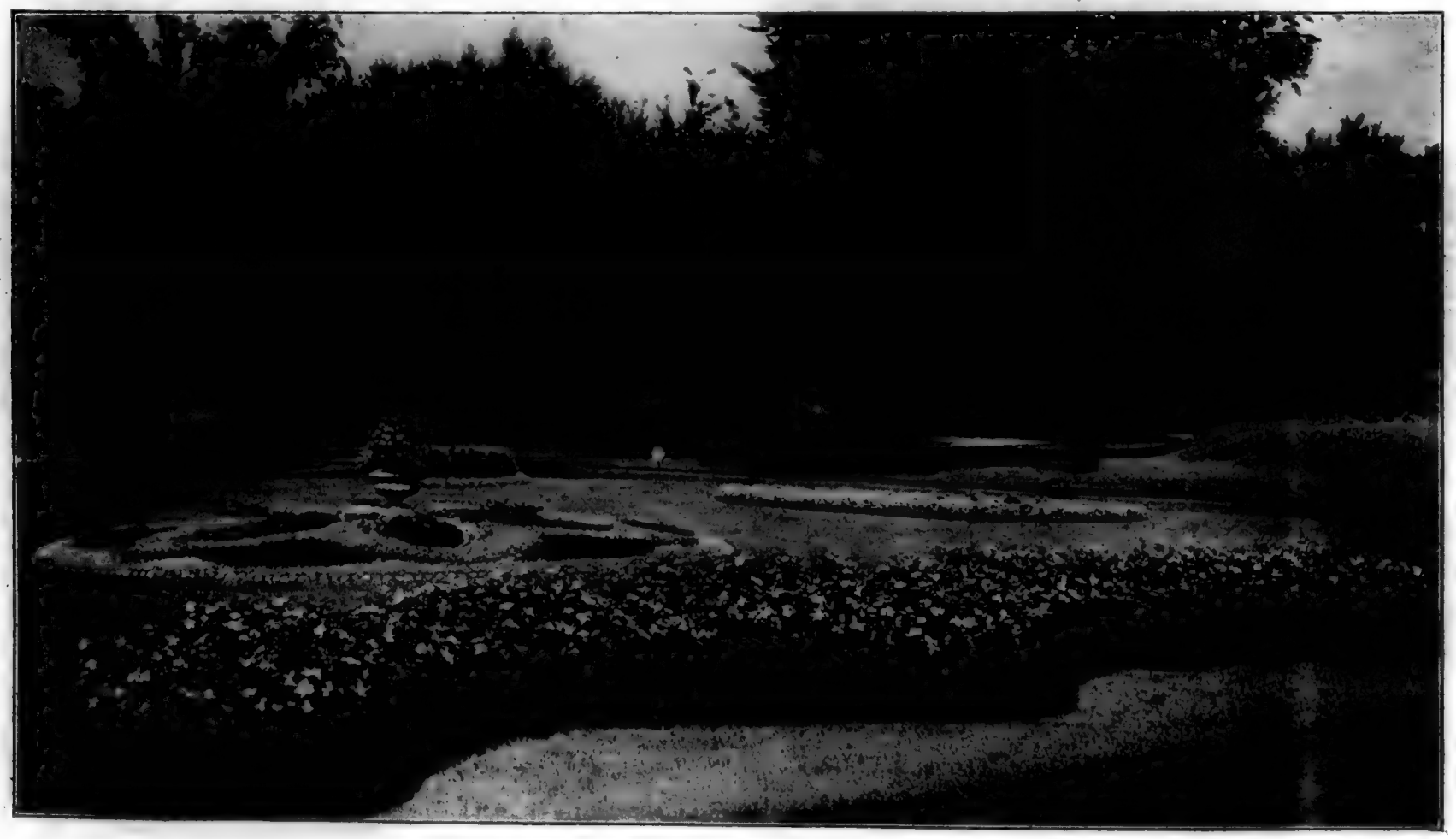
We most cordially invite inspection and comparison to our unexcelled stock.
Quotations Cheerfully Given.

THE WEEKLY

FLORISTS' REVIEW

G. L. GRANT, Editor and Manager (late Editor and Manager of the American Florist), 530-535 Caxton Building, Chicago.

Vol. 1. CHICAGO AND NEW YORK, DECEMBER 16, 1897. No. 3.



Bed of Vincas at Lincoln Park, Chicago.

BED OF VINCAS.

The accompanying engraving is from a photograph of a bed of Vinca alba and rosea, bordered with Achyranthes metallica, as it appeared at Lincoln Park, Chicago, last summer. The beds of vincas were a very attractive feature of the main parterre and led to the belief that commercial florists should give more attention to these vincas as bedding plants.

Mr. Stromback, the head gardener at the park, grows the plants from seed. He saves seed from his plants each year, but the seed can be had from any of the large seedsmen. He sows the seed in January or February in flats of sandy soil in a temperature of 65° to 70°. When the seedlings show the second leaf, they are pricked out about an inch apart in trays of the same soil, and when the little plants have five or six leaves they are potted into 2-inch rose pots, and later shifted to 3-inch. The majority are bedded out from the 3-inch pots but the remainder are shifted into 4-inch and grown on for second planting.

The soil of the bed should be a sandy loam if possible, and the plants will not do well in a very heavy soil. In bedding, place the plants about a foot apart. They require more water than a geranium, and when the bed is watered it should be given a good soaking and then left alone for a few days. The plants will bloom from the time they are set out until frost, and do not require any trimming.

If cramped for space in the greenhouses the plants may be placed in hotbeds in April. They cost somewhat less than geraniums to grow.

The border of Achyranthes metallica

serves a double purpose. It is not only a finish to the bed, but having a stiffer stem than the vincas it holds the latter up in position. They would be apt to sprawl over without this support around them.

MISCELLANEOUS SEASONABLE HINTS.

Wrapping and Delivering Plants.

A reader of the Review has asked me by mail to give him some points about wrapping and delivering plants. As the season is soon here when that will be a most important part of our work, if I can remind my friend and any others of a few useful hints I shall be glad. There is nothing more really annoying than to find after months of care, work and anxiety, you have produced a nice attractive plant, found a purchaser, but the delivery has spoiled all; it has been frozen, or what is more unpardonable, broken or jammed or shaken about until all its beauty is gone.

How much the success of our business depends on the complete way in which it is done! If you are the only florist in a small town your customers may have to put up with dirty pots, frozen plants, or a plant that has lost its flowers in delivery, but in our large cities where we all have about the same quality to offer, where competition is keen, the punctual and perfect way your orders are delivered will redound largely to the welfare of your future business. By far the large majority of your plants and flowers sold at Christmas and New Years are bought and sent to friends as a remembrance of the joyous time, and that is where mistakes and carelessness are more annoying than when a plant is bought to adorn the home of the purchaser. In this case they know when it arrives if it is unsatisfactory and can telephone at once their more or less just complaint, and if you are a wise business man and are convinced the complaint is warranted, you will duplicate the order with expedition and cheerfulness. When plants are sent as presents, as many thousands will be in a few days, the recipient has no chance to grumble and the donor does not know there is any cause to, so all is well for a few days till Mrs. Remembrance calls on Mrs. Thankful, and there she sees a wretched, leafless or broken down plant, with her card attached. Its proper place would be the refuse barrel, but it is given a place in this finely furnished room from respect for Mrs. R.'s kindness. Mrs. R. is deeply vexed. If she calls and gives you a reprimand you are lucky, she intends to give you another chance. If she sulks and you don't get the grumble, she is disgusted with you and intends to try someone else next time. To sum up: Promptness, with neatness and care in delivering, accompanied with a good article, are about all the requisites to command good sales.

I don't know that any new devices have been discovered in wrapping plants of late. It often happens that at Christmas we still have open weather, even mild weather, when little or no wrapping is needed, and at Easter, when we would expect good weather, the frigid air compels us to well protect every plant we send out. This is a calamity and it is far better for all concerned when seasonable weather prevails. We will suppose there is 15° of frost and six inches of snow. That will suit Santa Claus and he is by far the most important personage on earth on Christmas eve.

Small and medium sized palms entered largely into our sales the past two or three years and will increase. The large growers of these have reduced the packing of all their plants to a science, and set you a good example how to tie up a palm, drawing in the bottom leaves with the two hands, and a helper tying them fairly close to the stem, then raising your hands, bringing in other leaves, and following with another tie, till the ends of the leaves are reached. A double thickness of tissue paper surrounding the leaves, with a covering over the whole plant and pot of a heavier paper, will ensure its safe arrival if not exposed too long without the shelter of a close wagon or large box. Dracænas and rubbers can be handled in the same way. For tying the leaves in close, raffia is much to be preferred to string; it is less liable to cut into the leaves, and looks more business-like. Ferns, such as Nephrolepis Bostoniensis, are among the easiest of our plants to tie up, as they admit of their fronds being brought close together. On the packing table lay a sheet of wrapping paper, on it some tissue (or should I call it fine manilla), then lay the fern on its side in the bottom left hand corner, begin to roll the pot with the paper surrounding it. If the paper is large enough to make two coverings of the plant so much the better. A tie about at top of pot or pan will be necessary, and another tie half way up the plant will do. The paper should always be of sufficient length to fold in neatly and be securely fastened with pins, and when you put in the last pin it is an excellent place to pin on the address card of its destination; it is in a conspicuous place, easily seen by your delivery man, and much less trouble than a special piece of string round the plant with the tag dangling from it.

Begonias, cyclamens, primroses, linums, solanums, and many other flowering plants, can be wrapped in the same way, always remembering that the larger and broader the plant, in proportion to the pot, and the more rigid the growth of the plant, the more carefully must you wind round the covering of paper. Primroses, if grown stout, sturdy, and brittle, and that is the only way to grow them, will snap their leaf-stems if quickly or carelessly drawn in. The poinsettia wants very careful handling. After it has had one envelope of the paper draw the whole plant down three or four inches; this will incline every leaf, as well as the bracts, upwards, and greatly obviate the cracking or bruising of the leaves.

The azalea will take a little longer to prepare for safe delivery than any other of our popular plants, and they merit all the time necessary. The head can be tied in very little, and to roll them over in the paper as described for a fern would crush many of the flowers. They must be carefully covered with soft paper, fastening it round the stem below the branches and on top with pins. If a large specimen it would be necessary to put stakes around the plant, then covering with paper. Whatever the weather, even if it were July, no plant should be sent out without the pot being covered, not of course as any protection, but without it it looks crude and is certainly unpleasant for maid or "missus" to handle at the door. It is to be hoped that few florists, even greenhouse men, are yet so far in the gloom as to send out a pretty plant with an unwashed, dirty pot. "If such there be, go mark him well;" he should be relegated to the depths of a stoke-hole to sift ashes for the balance of his working days.

Crepe paper of many pretty shades is now much used for covering the pots. For a stately palm I think this would be much out of place, but for a flowering, medium or small plant it is highly proper. The plebeian red flower pot was all right on the humble window sill, but is not in keeping with the appointments and taste which adorn our present drawing rooms. The card, which in almost every case is left to be attached to the plant, when sent as a remembrance, should not be fastened to the plant with a piece of grocer's string, or worse, wire; it should be tied on with a very narrow ribbon; you can buy it.

You can save an immense amount of the worry, anxiety and unavoidable rush of the last two days preceding one of our harvests, by being well prepared for it. All the plants that you are likely to dispose of should have their pots scrubbed a few days ahead, so that they are clean and dry. Cards and suitable envelopes should be in waiting for your customers. Crepe paper should be cut (it won't tear), in various sizes to suit 4, 5, 6, 7 and 8-inch pots, and in a variety of colors. And many of your plants, particularly in the stores, should be already adorned with its pot covering of crepe; it will often help considerably to catch the eye of the prospective buyer. Don't ask the young man who makes the sale to retire to the rear of the store or the shed of the greenhouse to tie up the plant. Let that be left to one or two good handy fellows who have nothing else to do; and if they are good at it they are valuable help and should be well paid.

If the weather is very severe, a plant, however well it is wrapped, will travel scarcely a city block in the hands of a messenger without getting chilled or frozen, so we have to depend on a close covered wagon; if heated so much the better. But we don't all have a covered wagon with a hot water attachment. In very cold weather I have used long substantial boxes with a tight fitting cover, laying the plants down carefully; the last in, the first out, always giving your delivery man (not the driver) a complete list of the names and addresses of every stop, with description of articles. For instance, "Mrs. Alphonse Myphin, 999 Pansy St., one azalea, one cylcamen, bunch of mistletoe." In that way the man in charge of the delivery can't go far wrong. But you will say, all this is unnecessary. We have done that for years. I hope you have.

In conclusion let me say that whether you send out your plants and flowers in a



Phoenix Rupicola.

heated wagon or a cold wagon, in a big box, or the weather being mild, you send them standing up in an open wagon, never send too many different deliveries in one load. I have had men in my employ who have loaded up with a hundred parcels demanding for fifty calls, a big mistake; it was enough for four trips; the men get confused, the plants are taking too much of a risk, and it is altogether highly unsatisfactory; small loads and quick delivery and you will have better results. If a dictatorial Mrs. Parvenu who thinks "she is the only lady on the avenue," says "Now I want those plants delivered before 12 o'clock noon Xmas eve," don't promise for certain, for you won't keep your promise. Look at her with a solemn pathetic expression and say: "Mrs. ——, we will be driven to death that day. If I promise to have them there *sure* before 4 o'clock won't that do?" The answer will invariably be "All right, I guess that will do, good morning."

WM. SCOTT.

PHOENIX RUPICOLA.

The Date Palms, one of the finest of which we illustrate in the present issue, comprise about a dozen distinct species so far as known up to this time; a larger number than this have been catalogued, but many of them are probably only seedling forms from some of the recognized species, though doubtless possessing in some instances distinctive characteristics that give them value for decorative purposes.

The species under consideration is one of the most graceful of palms, and decidedly the handsomest member of this genus, a well-grown specimen forming a perfect fountain of drooping feathery foliage. P. rupicola is of much dwarfer growth than the typical Date, P. dactylifera, when full sized only attaining a height of fifteen to twenty feet, as compared with 100 to 120 feet for the latter species.

The leaves of P. rupicola are long and slender, divided into a large number of narrow pinnæ, these being dark green on the upper side and pale beneath, the whole leaf arching gracefully, and the pinnæ in turn drooping at the tips.

This plant is well adapted for decorating and also as a house plant, and may be safely recommended for either purpose, the foliage being of a more enduring character than would appear at the first glance, and in addition does not have that stiff and spiny character that is so objectionable in some of the phœnix when used for decorating.

As a native of India, P. rupicola has been usually treated as a warm house palm, but the mere fact that a plant comes from a warm latitude does not necessarily indicate that it requires a high temperature, the altitude at which it grows being a clearer guide to the cultivator than the simple statement that it has been found in a certain country.

But phœnix in general being rather slow growers while young, it is perhaps the wisest plan to err on the side of heat in their cultivation, and with a light and rich soil, and plenty of moisture to encourage them, it does not take very long to grow useful plants in 6 or 7-inch pots.

Seeds of phœnix take but a few weeks to germinate if they are fresh, and should be sown in light soil and placed on bottom heat, remaining in the seed pots until the first leaf is fully formed, after which they are potted off into small pots and need careful watering until they are well established.

W. H. TAPLIN.

THE GARDENIA AS A FLORIST'S FLOWER.

This favorite white, sweet scented flower is again becoming very popular with the buyers of choice flowers and is seen in quantities in the elite flower stores of our large cities at all times of the year. The gardenia belongs to a genus comprising a large variety of species of useful and ornamental tropical plants, but it is only grown for its flowers either by the florist or private gardener; in consequence it is imperative to have the most floriferous variety obtainable to make it a profitable plant to grow. The varieties florida, Fortunei, grandiflora, and one known around New York City as japonica Veitchii are no doubt the most desirable, especially the latter, which will bloom freely during the entire winter. The demand for large gardenias, as in other commercial flowers, will in the near future be the correct idea; hence the old common florida stands in the path of retrogression and the risk of going entirely out of cultivation. Intermedia, a cross between florida and Fortunei, will take its place.

If plants are wanted for winter blooming it will be necessary to prepare them for that purpose; the same also applies to summer blooming plants. Gardenias are certainly of easy culture; no difficulty will be found in their cultivation providing the proper amount of heat and moisture is given and they are always kept free from insects.

If the plants are intended for blooming the coming winter, cuttings should be made during the preceding winter, not later than January. When rooted put them in 2-inch pots in rich, sandy loam; don't allow them under any circumstances to starve and get stunted in this size pot, but pot them on into another size as soon as the others are filled with roots. A well drained and cultivated piece of ground should be selected and prepared for them outside. When the weather is sufficiently warm plant them out, giving enough space so they may make well developed specimens and at the same time allow space to cultivate and care for them.

Instead of the old system of pot culture, growers have discovered that they do infinitely better when planted out in a light, rich loam, as described above. Strict attention must be given to syringing and watering; this will materially help to keep them clean and free from mealy bug, which is their most trouble-

some enemy, assembling in large numbers about the axils of the leaves and young growths, distorting the flowers and embryo leaves, rendering them useless for any purpose. Measures must be applied to prevent this pest getting a foothold; if the following remedy is adopted the bug will be entirely eradicated after a few applications:

Mix half an ordinary tumbler of kerosene in four gallons of water; this must be thoroughly mixed by the one applying it; otherwise the young foliage might be injured and the plants consequently retarded. A good idea is to mix the kerosene in about a pint or quart of milk; this will facilitate mixing it with the water. It will be wise to syringe with a strong force of water a few hours afterwards, to remove all dead bugs and sediments from the foliage. Dull weather will be the most desirable in which to perform the work as the insecticide will have a better opportunity to accomplish the desired end.

In the autumn the plants should be lifted and planted in benches in a light house in about the same depth of soil as ordinarily used for roses, and a similar temperature maintained to ensure continual growth and the development of flower buds throughout the entire winter. Use a rich, sandy loam with a fourth of well decayed cow manure. Care must be taken to well drain the benches with broken bricks or rough cinders, adding a quantity of charcoal if it can be easily procured. A bad case of yellows will be inevitable if this detail fails to get attention.

It will be necessary, when the plants are well established and the roots found to be circulating freely through the soil, to occasionally water with a weak solution of liquid sheep manure, or a light dressing put on the beds will answer the same purpose and at the same time prove beneficial.

Don't use kerosene as an insecticide in the house when the plants are in bud, as the unpleasant odor will be absorbed and given off by the flowers at probably an unfavorable moment. Nicotine will answer the same purpose and act as a fertilizer if made weak and the plants frequently sprayed. In fine weather liberal syringing and airing will give the foliage a glossy dark green color.

If the plants are wanted for summer blooming, they must be propagated in the autumn and grown on during the winter. Early in the spring benches should be made ready and the plants put in them as soon as they are established in their pots or whenever the necessity to plant them may require, the same care being given them as that outlined for winter culture. I would not advocate carrying these plants longer than the second year, as much superior flowers and larger quantities can be obtained from young, vigorous plants.

One important point to be observed before cutting the flowers is to allow them to fully develop on the plants, or the flowers will become yellow in a few hours afterwards; also keep the flowers dry, not allowing any water to touch them; this has also a tendency to make them yellow. Insert the stems in water and put them in an intermediate temperature; the flowers should not be placed where there are icy surroundings.

When shipping the flowers in warm weather, pack them in a small box lined with oil paper, then inclose this in another and pack with excelsior and a little ice; this will prevent the ice coming in contact with the flowers and wetting them and freezing their tender tissues; in this way they will be dry and cool and will keep several days.

If gardenias are well grown, producing perfect well-formed flowers, little difficulty will be experienced in realizing fifty cents each for them at wholesale, this being the predominating price in New York City this winter.

Short Hills, N. J. F. L. Atkins.

ORCHIDS

THE CALANTHE AND ITS COMMERCIAL VALUE.

It is evident that a good many of the growers are trying to arrive at some hypothesis whereby they may revolutionize the cut flower market. A big majority claim that roses, carnations, mignonette, violets or chrysanthemums don't bring in sufficient to keep them warm. Now I am half inclined to think the trouble lies to a certain extent in their own hands. For instance, take a walk through some of the private establishments in your neighborhood and you will perceive in a great many cases that every available corner in the houses is utilized to produce something, and suspended from the roof you will see plants innumerable growing in baskets, pans, or in pots on shelves. In how many commercial establishments will you find this practiced? I presume to say very few. Therefore I consider a laxity of enterprise is apparent. How to remedy that?

I have one or two subjects in mind but at present I would suggest the calanthe. Pay? Certainly! Place them on the market in sufficient quantity and they will sell on sight. For a drawing room or table decoration it is difficult to conceive a more suitable subject, and they have everything in their favor to commend them. They are very easily grown, they produce long stems (about three feet) with abundance of flower, the stock is not over expensive to buy and they increase themselves every year. The varieties here named will flower at a very suitable season, i. e., Christmas. They are much alike in character of growth, etc., but sufficiently dissimilar in color for all decorative purposes.

To strike the Christmas trade you should grow Calanthe Veitchii, the color of which is bright rose; C. rubro-oculata, white with crimson eye; C. lutea, white with lemon eye. Pot up and start growing the first week in March. To prolong the flowering season grow the variety Regnieri; it will flower a month or six weeks later with same treatment and is a good grower.

You must not think, because these are orchids, that you will require the assistance of an orchid specialist to attend them. All they require is thorough drainage and a good compost of fibrous loam, with a little leaf-soil and about a gallon of bone meal to the bushel, with a little sand to keep the whole porous. I fill the pots or pans almost half full of broken pots, then fill up firmly with the compost, and fix the pseudo-bulbs thereon by means of three wooden pegs, which keep the bulbs in position until they strike root. Give plenty of water while growing, and frequent applications of liquid manure. Continue this until the flowers expand, when they should be removed to cool and drier quarters, as the flowers when opening are very susceptible to dampness. If kept thus, say from 45° to 50°, they will color, harden, and last longer when cut, and ship much better than if kept warm.

After the flowers are gathered keep the bulbs perfectly dry, in same temperature, until you wish to pot up and start off growing again. To propagate or increase the varieties Veitchii and Regnieri, simply break off the upper half of the pseudo-bulb and insert in sandy soil, place in a brisk heat and water carefully until they have sufficient root to consume it in greater quantity. They will make bulbs sufficiently strong to flower the following season. The other varieties mentioned, as a rule throw two flowering bulbs every season, thus your stock goes on increasing, and on account of their great floriferous and gross growing propensities, they will, I have no doubt, become general favorites. J. Robertson.

Madison, N. J.

THE HORTICULTURAL BUILDING AT THE TRANS-MISSISSIPPI EXPOSITION.

The decision of the Society of American Florists to hold its next annual convention in Omaha, undoubtedly had considerable weight with the exposition officials in deciding to have a special building devoted to horticulture.



The Horticultural Building for the Trans-Mississippi Exposition, to be held at Omaha, Neb., next summer.

The location of the building will make it a central feature, and it will contain the ornamental plant, fruit and forestry exhibits. In the center under the dome will be placed a crystal cave in a pyramid of rocks covered with plants, down the sides of which will trickle countless little streams to the pool below.

The building is 130x300 feet, and 160 feet to the top of the belfry, which will contain the chimes. Above the dome is an open observatory from which a grand view can be had, not only of the exposition grounds but of the city and adjacent lakes, the picturesque valley of the Missouri river and the city of Council Bluffs, five miles away. Superintendent Taylor has reason to be proud of the building that will be under his charge.

VIOLETS.

"Flushed with splendor I have seen
Both the rose and lily queen,
But no sovereign of the flowers,
Nor of kingdoms such as ours,
Can a robe of purple get
Like my dainty violet.
Peering upward from the stem,
Than a monarch's diadem
Thou art queenlier far to me,
Princess of Humility."

JOEL BENTON.

How true the above is, to every grower of violets, and I think it must be the verdict of the general public, else there would not be the demand for them that there is. However, these "favorites of fashion" do maneuver strangely some times. Take the Farquhar, for instance. When it first came out, we ordered sample blooms for comparison with our Marie Louise, and we really could see no difference in them, although of course ours had the advantage of not having been shipped. However we thought we would try a few plants for comparison, so two years ago last spring we purchased a few, growing them outside all summer, giving them the same care as the other violets. They did not grow quite so large as the Marie Louise but looked all right until the month of December, when they commenced to have the spot badly, still they flowered fairly well. But pick a bunch of the flowers and hold them side by side with a bunch of Marie Louise and one could not tell which was which. These were the only plants we had troubled with the spot, and it did not spread to the violets planted next to them. However we thought to give them a longer trial, therefore we made what cuttings we could that were clean and healthy. We did not plant them outside last spring but along the front of the house, with a row of ventilators right against them, and they have developed in fine shape, not showing any signs of spot whatever, giving large blooms with heavy long stems; a bunch of the blooms being much superior to the Marie Louise.

Again, last spring, we bought stock of another violet, recommended to be very hardy, which we wanted for late spring flowering. These looked fine and made a nice growth till late this fall, when they, too, commenced to spot badly. We have them in cold frames now and cannot tell yet what they will do the second season. But here is a question—is the spot apt to occur when a violet is getting acclimated? It would appear somewhat, by these two trials, as if that were the case, although the second trial has not progressed far enough to tell for any certainty; in fact, we never feel like asserting anything for certain about violet growing.

Now to make a Violet Department a practical success, we believe that a hearty co-operation of all interested must be had, and think the result would be mutually beneficial. Therefore, we wish that you would send in any facts that you may have met with in your experience, touching on this subject. We would also like an open question box on violets, with answers from those who have had any experience in the questions brought out in this manner, and you may be astonished to find that your neighbor follows an entirely different method to attain the same end, than you do, though you may perhaps have thought your way was the only one.

R. E. SHUPHELT.

Chatham, N. Y.

A VIOLET DISCUSSION.

The violet disease was the "bone of contention" at the regular meeting of the New Jersey Horticultural Society, held in Orange, N. J., on Monday night, and though it provided and received a lot of picking from the many present, violet growers got little comfort and less assurance as to the possibility of securing immunity by the adoption of any preventive measures. A perfect galaxy of talent was on hand, and for fully two hours the vexations of violet culture were debated.

The essayist of the evening was Dr. Walter Dodge, who, without notes, in a pleasant conversational style, gave the result of his researches into the nature of the disease familiar to all as the violet leaf spot. As a first experiment he secured a culture in a glass tube by inoculating some "blood serum" with the disease germs, placing the tube in an incu-

bator kept at blood heat. The resultant growth was a ramifying or interlaced mass of fibrous threads whose ends were terminated by little protuberances or heads, apparently spore cases. An attempt to reinfect healthy leaves from this culture, however, gave negative results, though indicating the fungoid nature of the disease.

He next tried another way: Taking some diseased leaves and pounding them up he secured another culture with which he was successful in infecting healthy leaves. From a leaf so infected a section was taken and the resultant appearance as seen under the microscope be explained with the aid of a large diagram, held up to the view of those present. In this he pointed out the thread growths, like white films permeating the inter-cellular spaces of the leaves, whilst round the edges of the all too-familiar dead spot, the cell walls appeared broken down and the chlorophyl appeared as a thick congested mass, which the microscopic rays could not penetrate, though the leaf section was less than one thousandth of an inch in thickness. Where the actual spot appeared to the naked eye the microscope showed hundreds of thread-like growths all turned upwards quite erect, each terminated by a small inflation which contained the spores or germs.

He understood there were other violet diseases but his investigations had been confined to the "spot" alone, and such as they were he placed them at the disposal of those present in the hope that they might assist in the elucidation of the mystery.

Dr. J. M. W. Kitchen opened the discussion by remarking that a distinct point had been gained in that the lecturer's experiments clearly demonstrated it was a specific organism at the root of the evil and to know this must be material assistance in seeking out and applying preventive measures.

Prof. Byron D. Halsted, of the New Jersey Experiment Station, next responded to a unanimous call and gave a lucid account of the workings and effects of other forms of disease, but his explanations of their subtle character though entertainingly and instructively given, foreshadowed no relief measures the afflicted growers could rely upon.

The discussion was continued by Messrs. Bird, Duckham, Manda, Withers, Atkins, Herrington and others, covering the varied details of violet culture, but the prolonging of the discussion only served to multiply the vagaries of the violet as exemplified by the experiences and practices of the different growers near and far.

VIOLA.

CHRYSANTHEMUMS

CHRYSANTHEMUM NOTES.

Spring Flowers.

The "mum" is essentially a fall flower, that being of course the time when it flowers naturally, though it can also be induced to become one of the flowers that "bloom in the spring, tra la la." The way we have accomplished this is here given.

Good cuttings that had not been allowed to get hard and stunted were rooted the first week in December, potted on as they needed it, the last shift being into a 7-inch pot. They were kept in a temperature of about 50° and grown to one stem. The buds appeared and were taken toward the end of February and the flowers developed end of April. The flower had neither the depth nor substance of autumn blooms but were nevertheless very good, and the stem was about two feet long. It is true they seemed to jar on the nerves in a vague, indefinite manner, and could not in my mind be reconciled to the eternal fitness of things, flowering at that season, but the average man soon gets over that if there is anything in it financially, and who knows but that in a few years we shall all be growing a batch for the Easter trade, and spring flowering kinds be so common as to escape comment.

Do not, gentle reader, after reading this get to work and put in a bench or two by way of an experiment. Experiment by all means, but with a few only, and see if your treatment and location are favorable. Varieties I would recommend to use are Bonnaffon, Glory of the Pacific, and Sunderbruch. We had J. H. Troy last year as a white, but the flower damped so badly it was useless. There would be lots more money in "mums" at Easter than there is in October and November, till everybody caught on, and then — well, try something else. The florist is accustomed to seeing good things worked to death these days.

Early Propagation.

It has been oftentimes asserted that cuttings rooted in December and grown right along without any stopping will next fall produce flowers that will beat the earth. Personally we don't see much in it, unless it be in the case of very slow growing kinds, such as Mrs. Jerome Jones or Bonnaffon. The florist could not afford the time or room anyway, and generally leaves such things to the private grower. When plants are struck so early they generally pass through a season when they are neglected more or less and this is fatal to a free growth, the consequence being that cuttings struck in February will oftentimes catch up and overtake the earlier rooted ones. We have got as good flowers from June struck plants as any other, for the whole secret of an exhibition flower is in well-ripened wood, but as before stated slow growing kinds need earlier propagation so as to get the necessary length of stem to sell well.

Specimen Plants.

These are a weariness to the flesh for many long months in summer, as they need unremitting care, but in the fall they are a fine advertisement (if they are done good) for you at the local shows, and in your window. They come high but if you must have them now is the time to get them rooted, and you will find it will pay later on if the eyes that will be below ground are carefully picked out with the point of a knife. They will not need nearly so much attention then as regards suckers. As to varieties the famous old Lincoln is the best yellow, and Ivory the best white for this purpose.

C. TOTTY.

THE EXHIBITIONS.

Mr. E. G. Hill's able article in the first number of the FLORISTS' REVIEW should bring out ideas from others that will help solve the problem of how to make our shows fairly successful. The shows are indispensable to the advancement of horticulture and a great help towards arousing public interest in our profession at a time when interest is much needed. Will not at least one active worker in each of the large cities where shows have been held give his views on where the results at his particular show might have been improved financially?

Looking at the matter from a purely business point of view, the question may be put in two parts: First, how to increase the receipts; second, how to decrease the expenses.

The first is undoubtedly the more difficult of the two to solve. I am inclined to think that entirely too much reliance is placed on newspaper advertising. People look in the papers for a play or a sale, but not for a flower show, and when seen it makes little impression. Much more hopeful, it seems to me, is the plan

of securing a number of ladies who will act as patronesses and interest others in the undertaking. Then mail a neat card of invitation with the names of these patronesses on it to one member of every family of prominence, if possible, thus making the exhibition a social affair. This plan would prove a tremendous undertaking in the great cities, but I believe it would be well worth a trial if the work were carefully and systematically done.

With regard to the second question—that of decreasing the expenses, I was struck at one of our large exhibitions, which by the way, while well attended, was a pronounced financial failure, with the number of classes in which there was little or no competition and which might just as well have been omitted from the schedule. Take the roses for an example. A solitary bunch of Perles, that would hardly be better than seconds in all markets, two weak stemmed lots of Niphetos, a poor vase of Mad. Watteville blooms that could not compare with the fine Meteors, Maids and Kaiserins near them, and yet those poor roses cost the Society just as much as the others, for few judges like to withhold a first premium if it is possible to award it, while they actually detracted from the general excellence of the tables.

Ought not the schedules be so changed from year to year that as new features are being added, old ones be dropped when they have lost their attractiveness? The aim being a schedule in which every premium would bring out sharp competition, giving the Society full equivalent, and not one calling for everything under the sun, good, bad or indifferent.

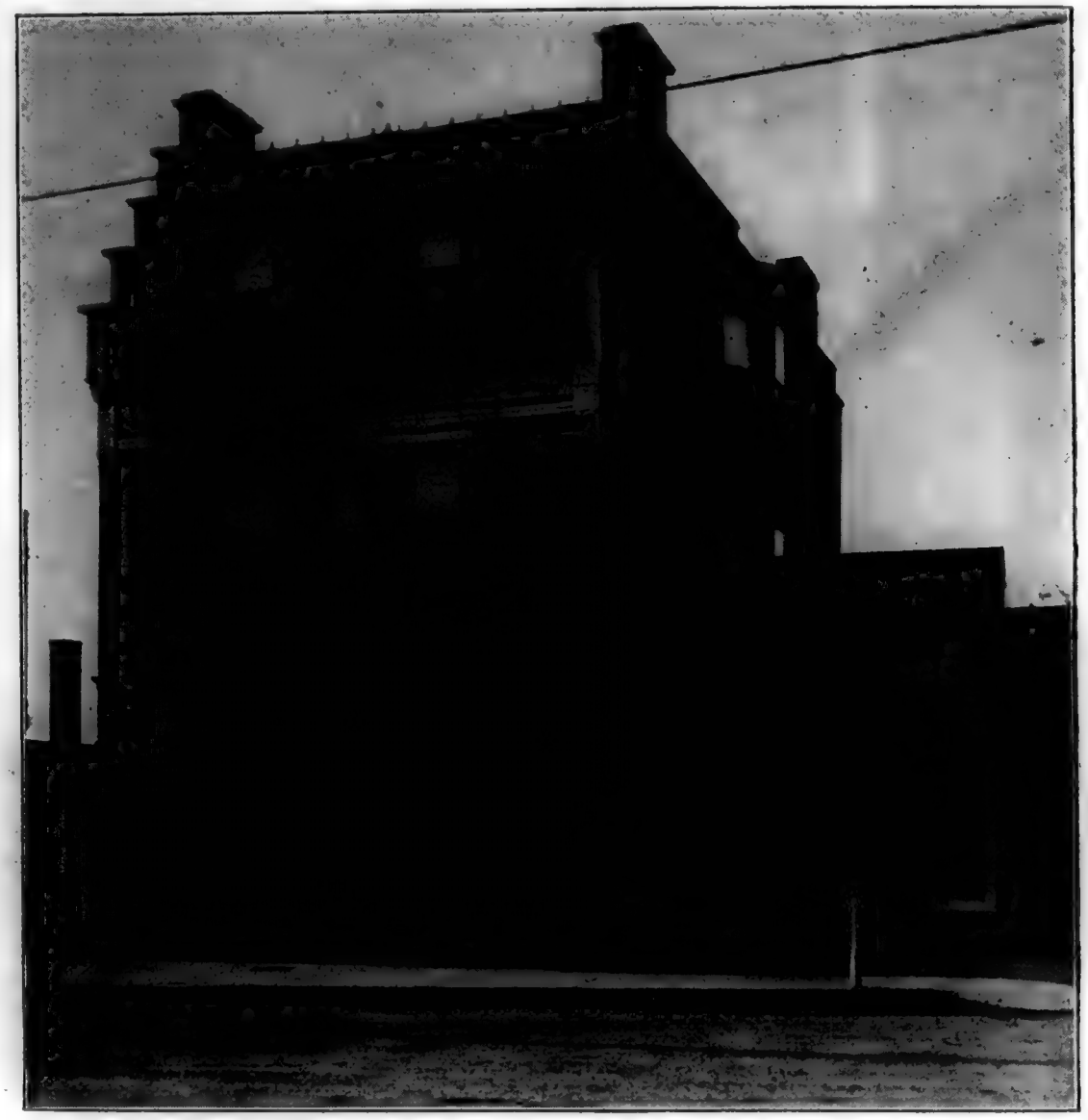
The story of the man who advertised that he would pay $5 for the best bushel of potatoes put in his cellar and after paying the successful competitor kept every bushel sent, certainly applies—the societies might do likewise.

JOHN WELSH YOUNG.

A HANDSOME FLORAL STORE.

We present in this issue several views of the new store of Mr. Fred C. Weber, St. Louis, Mo. We have seen stores that were more elaborately decorated and with more expensive furnishings but we have never seen one that more thoroughly pleased us than this charming store of Mr. Weber's. The view of the exterior shows the store and adjoining conservatory but hardly does justice to the subject, as the new building presents a much finer appearance than is shown in the engraving. While the interior views are very good, the store must really be seen to be appreciated. The style of decoration is plain but exceedingly rich and, to our mind, it is the neatest thing of the sort in the country. Over the store is Mr. Weber's residence, as will be noted in the engraving. The store is situated at 4326 and 4328 Olive street, directly opposite St. George's Episcopal Church and in the very heart of the most fashionable residence district of St. Louis.

The store is 20x52 feet. The floor is Italian mosaic work, the counters of enameled white tiling, with a border of



Exterior of the new store of Mr. Fred. C. Weber, St. Louis.

festooned tile just below the top; this simple decoration seems to be just enough and not too much to meet with the approval of everyone. The counters are thirty-four feet long, thirty inches wide and thirty-two inches high. Not an inch of wood is used in the construction. On the top of part of the counter is laid rubber cloth to prevent the possibility of the breaking of bottoms of vases when setting them down upon the counter.

The fixtures of the store are all finished in pure white, while the walls and ceilings are frescoed in a delicate pea-green and French plate mirrors are freely used around the walls. The ice box is of massive construction and is divided into three parts or sections. The top is used only for the ice and the bottom is fitted with galvanized iron trays, which can be removed at will and then afford a large space for the keeping of filled designs which are ready for delivery. The middle part is for cut flowers in vases and is fitted with large plate-glass doors. The inside is lined with French plate mirrors and the interior is lighted with incandescent electric lights. The show window of the store is 8x12 feet and the bottom is lined with white tiling and the sides and ceiling are French plate mirrors, which are bordered with sixteen incandescent lights.

To the west of the store is the conservatory, 17x52, which is connected with the store in front by a door 8x12. A glimpse of the conservatory is shown in one of the illustrations. In the middle of the store, light is admitted from the conservatory through a window 8x8 feet, and at the rear is another door entering into the conservatory which is 5x12. There are in the conservatory two large show windows which face another street and which can be seen many blocks away. In the front there is also a grotto of fancy rock work, planted with many varieties of ferns. In the middle is a large bench for palms and a bench all around the west side of the house. In the rear of this and connected with it is another greenhouse 18x20 feet which is for blooming plants only. This is also connected with the store in the rear by a large door and there are other large plate glass windows. In the middle of this greenhouse is a large grotto of fancy rock work planted with ferns, and there is also a pool containing many varieties of gold fish.

There is a drive-way from the front to the alley which makes it possible to load and unload plants at the side of the small house. In the rear, there is a large yard, with stable, etc. In the basement is a large and commodius work-room and here is placed the boiler which heats both store and greenhouses.

It is certainly a model store in every respect and the style of decoration reflects great credit upon the taste of Mr. Weber.



Interior view, looking to the front, of the new store of Mr. Fred. C. Weber, St. Louis, Mo.

GRAPES IN POTS.

This is not floriculture but I was reminded to-day by my neighbor and friend, Mr. Harry Swift, when speaking about pot vines, that I have thought often what an attraction for a florist's window in August, September or October, would be a well-grown pot of Black Hamburg grapes. I believe a 12 or 15-inch pot with a dozen perfect bunches of finished grapes mingling with their fine leaves, would be just one of those sights that would halt the crowd and be a constant attraction. And if you had a dozen of them how easily they could be disposed of as a drawing card in any window, particularly where the choicest fruits and vegetables were sold, or even where sparkling Moselle was a leading article; in fact any window where a novel attraction is desired.

As I once made a very successful attempt at fruiting pot vines I shall certainly try it again this coming spring. There is nothing difficult about it when you know how, and I do most humbly accord to myself a little bit of originality in growing, which was almost entirely the key to my success. It was in 1875 that my employer asked me the question could I grow some pot vines to occupy space between the permanent vines till they wanted all the room allotted to them. I had under my care a fine vinery 100 feet long, 16 feet wide, a curvilinear roof leaning against a 12 foot brick wall, heated with five runs of 4-inch hot water pipes. This was not pipes enough to call it a hot grapery, but it was sufficient to start in February, for before the grapes needed much heat the spring weather would help along. I may say here that the permanent grapes were never a great success for two reasons: The border was all inside, a big mistake in any climate, and my employer would not let me go and skin a quarter of an acre of fine sod from his own land; no better ever laid out of doors but it was devoted to the sacred cause of white carrots and mangel wurzels, so I had to hunt around and the best I could do was to buy a lot of stripping from a near-by stone quarry, a poor sandy, gritty soil, very unfit for the purpose. When I grew the pot, or rather tub, vines I was careful not to use that poor stuff; I went in the dead of night and got a cartload of timothy sod and filled up the place robbed with refuse soil from the greenhouse.

On or about February 2nd, 1875, having no propagating bed warm enough to start grape eyes (they take a good brisk bottom heat), I constructed a small box over three runs of pipe by first keeping on the heat side and ends, and a few slates on top, with a few inches of sand, into which I plunged about two dozen 3-inch pots, each of which held an eye. How the wood is cut is perhaps of little consequence. Above the eye I made almost a square cut, and below tapered the cutting off for about an inch and a half, giving plenty of surface to root from. The quality of wood I was careful about; it was neither the largest long-jointed stuff nor the small stunted growth. The wood had, of course, been cut the previous December, and stored away in a cool cellar, with its ends stuck in some sand. With a genial heat and moisture the eyes soon made a start, and in seven or eight weeks had made a growth of a foot or eighteen inches, but what was of more consequence, the pots were well filled with fine white roots. Now they wanted a change.

If I had followed out what I had seen done across the Atlantic and what I believe would be considered orthodox, I would have shifted them into a 6-inch, when needing it into a 9-inch, and from a 9 to a 12. But this I did not do, and as gardeners knew little of each other then, and I was not then privileged to write to Burt Eddy, or P. Welch, or Dennis O'Connell, I had to depend on my own inspiration, so I took a dozen common flour barrels to the nearest cooper and had him cut them just in halves and coopered up strong. The tubs were filled with that excellent sod, a yellow loam in lumps the size of your fist, a fifth of cow manure, rather fresh, a good sprinkling of coarse bone dust, and some old lime rubbish. I don't know why I added the last ingredient—perhaps with no better reason than some men interlard their conversation with numerous strong adjectives and other forms of expressive speech; however, I would use some again; it helped to keep the soil open, with nearly all plants of the greatest benefit. From the 3-inch pots into the tubs went the little vines, and that was where I struck it right.

As the young vines advanced about the



Interior View looking to the rear of the New Store of Mr. Fred. C. Weber, St. Louis.

same as the vines in the border, syringing, air, etc., suited all alike. By September the vines had grown to the whole length of the rafter and were as thick as your thumb (I mean an ordinary thumb, not Peter Crow's). By middle of November the leaves dropped off and the canes were as brown as a hazel nut. I had suffered with mice in this house so about December 1st I took out the vines, laid the tubs on their sides, covered tubs and canes with dry leaves and left them there until the following February (1876).

When the vinery was started again they were brought in, shortened back to ten feet, and after the eyes had made an even break, tied up between the other vines. Now that is not the way a pot vine is usually trained. Four nice stout green stakes four feet above the pot and the cane tied spirally round the stakes; that is the way to have them look handsome, and quite as well for the crop. A heavy mulching of cow manure was put on a few weeks after they were started and during their last swelling liquid manure was given three times a week. A 2-inch pot of real Peruvian guano to three gallons of water was given once a week. The fruit was ripe about the middle of August, nineteen months from the time the tiny piece of wood was put into the 3-inch pot. The varieties were Black Hamburg and Buckland's Sweet Water, but the latter was not nearly so satisfactory as the Hamburg. The best cane had twenty-six bunches with a total weight of sixteen or seventeen pounds, and others were nearly as good. This was altogether too much of a crop and the berries never assumed that rich purple black which is the pride of a good grape grower. With all their imperfections they brought $1.25 per pound in New York City. If I should succeed in getting as good canes again I would be well satisfied to have twelve bunches averaging a pound apiece, and then I believe one could finish them off finely.

Now I would not trouble to write this to encourage those only who have a heated grapery, for what florist has that? But I believe the same can be done by one who has a good rose house, especially one with the long span to the south. We all nowadays have the facilities for starting the young vines and it would be the middle of April before they went into the rose house. No shade is wanted for either and few if any have bottom ventilation, which would be fatal to grapes. When I look back at the achievement it seems a little more than I thought of it at the time. My employer said to me one day in August during the centennial exhibition: "I think, William, we ought to take a few of these vines to Philadelphia." I replied with a sort of grissly Frontignac smile: "Oh lord, no sir, there are wonderful men in Philadelphia, so I have heard; this would be nothing to them. I only wish the vines in the border were as good." "Never mind, William, let us go into the study and sample the juice of some foreign grapes." "Certainly, sir, I will. Mike leave on all the air you can; the grapes are about ripe and want lots of it."

"CANON HALL MUSCAT."

MUSHROOM HOUSE.

During the last few years a good many florists utilize the space underneath greenhouse benches for mushroom growing, securing a crop from house-room which would be otherwise wasted.

When calling on W. H. Cook, Newark, Del., I saw what seemed to me a model mushroom house. The house is built of wood and is seventy-five feet long and twenty feet wide, with a cellar about twelve feet deep, and contains seven center beds seven feet wide, and side beds three feet wide. Four of the beds are below the surface of the ground. A wooden structure is erected, containing seven beds, allowing about three feet between each bed, the whole structure being about twenty-one feet high. The bottom boards of each bed are not nailed down and can be removed when making up new beds and allow plenty of room for making up the bed underneath. There is a passage three feet wide on each side of the house between the center and side benches, with bars across the passage way about ten feet apart, and on the level with each bed. By placing three 12-inch boards across these bars they make a floor the required height when making up or clearing out the old beds.

The whole house is heated with a flue keeping the temperature from 55° to 60°. The beds are made up twelve to fifteen inches deep and covered with from one to two inches of good loamy soil. The whole house is now yielding about forty pounds of mushrooms a day and is expected to yield good crops from now till next March from the same beds.

Ernest Ashley.



View in the Conservatory Attached to the New Store of Mr. F. C. Weber, St. Louis.

THE BOSTON EXHIBITION.

The trade exhibit of specialties and new things was well responded to by both local and outside growers. Manager Kennedy of the Flower Market, feels, as he should, highly pleased with the response. Following is a list of plants staged, with names of exhibitors, carnations being the leading feature.

T. W. Lawson and Morning Star shown by Peter Fisher. The first named variety has been exhibited elsewhere, notably in Philadelphia by Mr. Nicholson, Framingham, and is highly thought of. Edith Foster and Klondike exhibited by Patten & Co. The Klondike, as its name indicates, is a bright yellow with the faintest streak of crimson. Ensign, staged by H. F. A. Lange, Worcester, is a pink and white fancy; a fine flower.

Mayor Quincy, shown by A. Roper, Tewksbury, is a deeply fringed flower, somewhat on the order of Triumph, but darker, very free, and I understand a first-class seller. May Whiteley is an improved Daybreak of an exceptionally spicy odor, which should alone make it veryacceptable. A pink seedling and Nivea, as good as ever, shown by H. A. Cook, Shrewsbury. The white seedling from Jno. Burton, Philadelphia, showed up well, although it laid in the express office over night, proving it a good keeper.

Jahn's Scarlet, exhibited by W. C. Stickel, was the best of its class in the show. A curious name, Conch Shell, is given to a pretty pink by H. Grout Springfield. Wellesley, shown by J. Tailby & Son, is a splendid keeper; one vase gathered four days since looked almost as fresh as though just picked. Empress, exhibited by Wm. Swayne, Kennett Square, Pa., is a noble flower. Priscilla, a lovely white, and a deep pink named Mrs. J. C. Malvin, were shown by Wood Bros., West Newton.

The Cottage Gardens made a handsome showing of fourteen vases, which were the center of attraction. General Maceo, the result of a cross between Meteor and Winter Cheer, a sturdy, defiant flower of deep velvety shade; White Cloud, most appropriately named, of fleecy whiteness, a chaste flower; Gold Nugget, an improvement on Buttercup. Bon Ton, exhibited by F. A. Blake, to be sent out by the Cottage Gardens, is a dazzler of the first water.

Mrs. George M. Bradt was shown with immense blooms, several averaging three and a half inches across, with perfect calyx. Mrs. James Dean, a light pink, was seen, and also John Young, white. I trust its namesake will never take on that color. Lily Dean is a beauty. New York, a cross between Scott and Storm King, from same seed pod, is really a dark Scott, cerise pink; a grand flower.

In violets some fine specimens of Lady Campbell were shown by E. Wood, Lexington, and F. S. Esty, West Roxbury. Princess of Wales, as shown by Charles Cummins, Woburn, is an exquisite flower.

E. G. Hill & Co., Richmond, sent on a vase of their new mum Christmas Gift, a grand incurved yellow; looked good enough to keep till that festive season to which we are one and all looking.

A chat with the carnation worthies prognosticated that while buyers of new varieties will be even more conservative in the future than in the past, sterling kinds will find purchasers and increase the exchequers.

I must not omit the handsome batch of primulas shown by Geo. Anderson, of Waverly, some of which found their way to M. B. Bunker's store at the Parker House.

W. A. Manda exhibited specimens of new and rare plants, also some plants for commiercial use, under the care of Dan McRory.

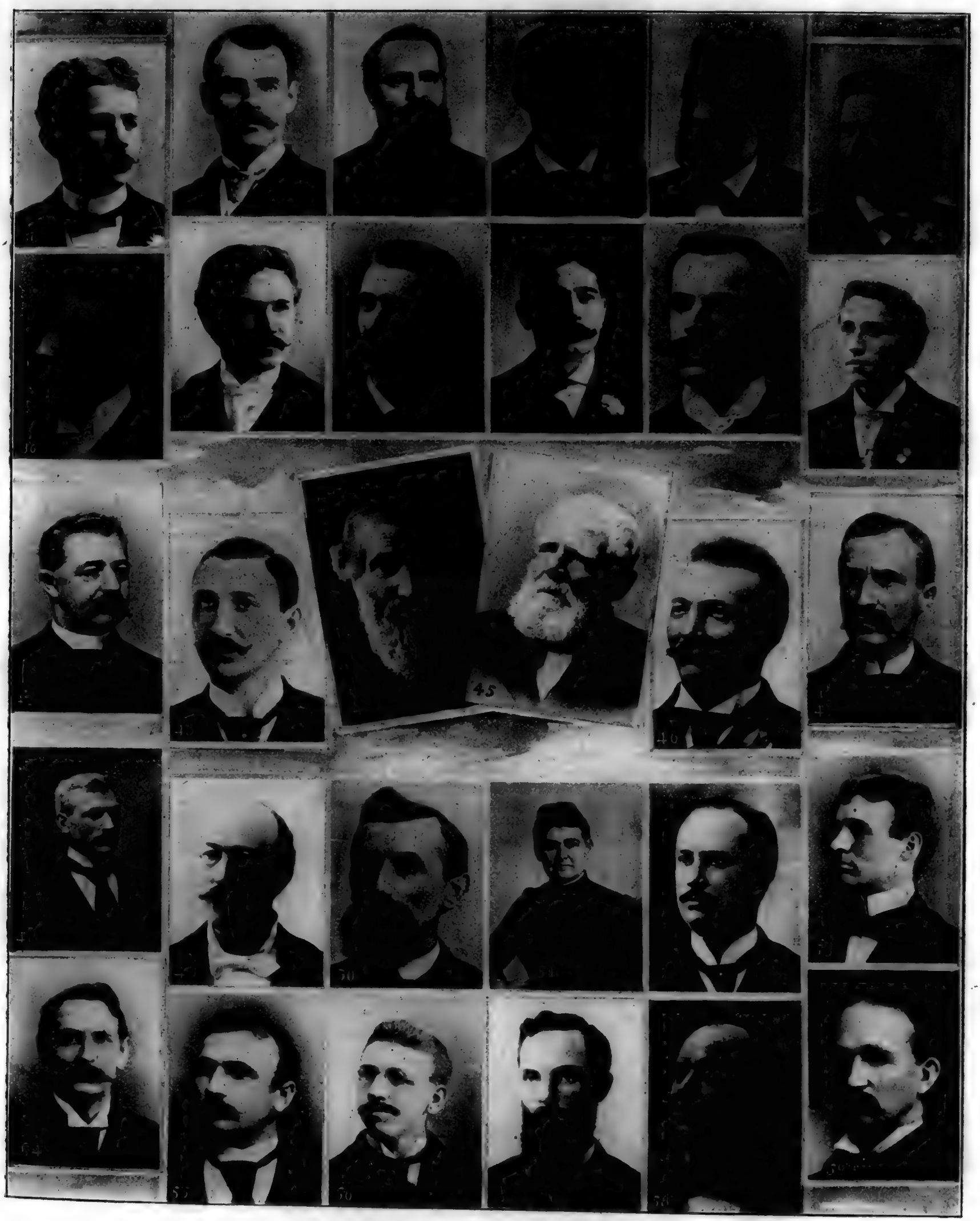
W. M.

OUR GENERAL INTRODUCTION.

30. R. Hoffmann, Elkhart, Ind.
31. Henry Welfare, Corunna, Mich.
32. R. H. Shumway, Rockford, Ill.
33. S. H. Powell, Hempstead, L. I.
34. John Spalding, New London, Conn.
35. Samuel Goldring, Albany, N. Y.
36. John F. Marsden, Far Rockaway, L. I.
37. C. C. Pollworth, of Ellis & Pollworth, Milwaukee, Wis.
38. J. H. Cunningham, Delaware. O.
39. W. F. Kasting, Buffalo, N. Y.
40. H. G. Eyres, Albany, N. Y.
41. J. C. Schmidt, Bristol, Pa.
42. C. H. Joosten, New York.
43. J. T. Glover, of Winter & Glover, Chicago.
44. Robert Veitch, New Haven, Conn.
45. Louis Menand, Albany, N. Y.
46. Wm. G. Bertermann, Indianapolis, Ind.
47 Chas. D. Ball, Holmesburg, Phila., Pa.
48. Edward Reid, Philadelphia, Pa.
49. Fred W. Williams, Stillwater, N.Y.
50. F. F. Benthey, Chicago.
51. Mrs. B. F. Eades, Kirksville, Mo.
52. U. G. Scollay, Brooklyn, N. Y.
53. Samuel S. Pennock, Philadelphia, Pa.
54. F. L. Atkins, of American Bulb Co., Short Hills, N. J.
55. C. Lengenfelder, Chicago.
56. This gentleman's name and address was unfortunately lost by the engraver.
57. J. E. Black, Grove City, Pa.
58. J. Austin Shaw, U. S. and Canada.
59. A. H. Ewing, Toronto, Ont.

THOSE CERTIFICATES.

We are pleased to be able to announce that Mr. William Scott, of Buffalo, N. Y., has consented to act as trustee in the matter of stock to be held as indicated in our subscription offer. The stock will be issued to him as trustee in a few days, and a certificate will then be sent to each subscriber. Every subscriber will receive



OUR GENERAL INTRODUCTION. No. 2.

one. The signing of such a large number will alone take a little time, so please do not be impatient if there is a slight delay; and a record must be kept of the certificates, which will be numbered, and this will make considerable bookkeeping work. But inside of a week each one of our present subscribers will have received his certificate. This will include all who subscribed before our certificate offer was made.

BUFFALO.

Plants for Christmas.

There are some signs that Christmas is coming; orders are arriving, plants are selected and set aside. We need it all for there is anything but general prosperous times. Other businesses are complaining sadly, and we must not expect to be an exception. There will be a great variety of good plants for our customers to make a selection. Azaleas, poinsettias, cyclamens, begonias, primroses and pans of hyacinths and narcissus will be in abundance. Last year we were surprised at the quantity of medium sized palms that sold and we are ready for them again.

Cut Flowers.

We have not heard of any scarcity of flowers. Carnations are generally very good and sell well. No overplus of violets yet and they are likely to be the scarcest article at the holidays. Begonia incarnata helps us out with cut flowers now, and that cheap but graceful Stevia serratifolia is again almost indispensable. I call it cheap, but it should not be, for it is very unprofitable as it is sold, and according to the space it occupies on the bench should realize quite double the price that it does.

American Beauty, Meteor, Bridesmaid and Bride, cover the list of roses that it is necessary to keep in stock. The first is fast soaring higher than the average mortal can reach. Two five-dollar bills, one on top of the other will scarcely reach the best buds. Contrary to what many have said the "Carnot" is very much admired and when we have two or three dozen in a vase, sells at sight. I believe there will be far more grown another year, and what a grand grower it is. Harmon & Burr are sending in fine bunches of their new white carnation Genesee. It is the best that is coming into this market. Pingree is behaving itself well. I have seen it look cloudy with not enough color, but on the bench it looks fine, and what a sturdy stiff-stemmed grower. Eldorado, the freest of carnations, is a rusted, busted, knock-kneed, weak-necked flower beside it. Nivea, I am sorry to say, with me has turned out a poor fizzle. May be all right in the land of its nativity, but no good in our limestone soil.

Bowling and Drummers.

We have not played bowls since we made a monkey of ourselves at Providence and we have not had any drummers this week. The bowling we leave to St. Louis and the drummers to W. A. Adams, who can make them believe with his jolly manner that they are receiving a substantial order and they awake next morning to find their order sheet a blank.

Mr. Long's Calendars.

Our Mr. D. B. Long, with his complex, intercellular, fertile, reversible gray matter, is getting up a number of beautiful designs for calendars. They are suitable for any business and are truly original and artistic. If earnest application to the object in view deserves success, Mr. Long should draw the first prize.

Mr. W. McMillan Severs Connection with the Parks.

Many of the readers of the Review will learn with surprise that our well-known Mr. William McMillan has severed his connection with our parks, after twenty-six years of faithful service. Mr. McMillan's ability will serve some other community. There has for some time been friction between a majority of the park board and Superintendent McMillan, but whatever differences of opinion there may be as to Mr. McMillan's ideas of park management and improvements, there is an undivided opinion that it has been a most conscientious, earnest, and honest administration of our parks; it is well known that should he desire to again engage as a park superintendent more than one big city are bidding for his services.

W. S.

NEW YORK.

Club Meeting.

At the regular monthly meeting of the New York Florists' Club, held Monday evening, at 7:30 o'clock, the two most important matters before the club were the election of officers, three trustees to be elected for two years and the report of the committee as to the rules and regulations governing the competition for the New York Florists' Club gold medal. About thirty members responded to the call, and a very interesting meeting resulted. President Henshaw was in the chair and gave a very practical farewell address, which was listened to with much attention. He touched upon the welfare of the club past and present, and expressed hopes for a general revival in the club's interest.

Mr. W. A. Manda, as chairman of the committee appointed to arrange rules with regard to the club's gold medal, then read his report as follows:

Rules and regulations governing the competition for the New York Florists' Clubs gold medal.

The exhibition to take place at every meeting of the club during the year 1898.

Intending exhibitors should notify the secretary at least one week before each meeting, of their intending exhibits, stating classes in which they wish to exhibit; also approximate amount of square feet required.

The limit of the space for the exhibits to be as follows, except by special permit, when an exhibitor intends to make an extraordinary exhibit:

Cut flowers	20 square feet
Pot plants	35 square feet
Collections	50 square feet
Decorative and made-up work	20 square feet
Fruits and vegetables	20 square feet
Manufactured articles	35 square feet

All the exhibits are to be staged and in position by six o'clock on the evenings of the meetings of the club.

All the exhibits are to be properly labeled.

The exhibitors should hand as an entry a correct list of their exhibits to the secretary, who will give them a number, by which alone said exhibits should be known, until after the awards have been made and announced by the secretary.

The judges are to finish the judging of the exhibit before the opening of the meeting, during which time no one should be allowed in the room except the judges.

The decision of the judges should be read by the secretary during the meeting, giving in detail the points scored, and any exhibitor having any protest against the judges, same should be entered before the close of the meeting, and the chair be empowered either to affirm or change the decision of the judges.

A committee consisting of six members should be appointed by the chair, selecting one expert in each of the six different classes.

The schedule to be divided into six classes:

CUT FLOWERS.

Size	10
Form	20
Substance	20
Color	20
Stem	10
Foliage	10
Rarity	5
Fragrance or other quality	5
	100

POT PLANTS.

Size	10
Cultural Perfection	30
Foliage	15
Effectiveness	15
Rarity	10
Desirability for General Culture	20
	100

COLLECTIONS.

Number of Kinds	25
Rarity	25
Cultural Perfection	15
Correctness of Nomenclature	15
Desirability for General Culture	20
	100

DECORATIVE AND MADE UP WORK.

Novelty in Design	15
Artistic Arrangement	45
Harmony in Color	30
Quality of Material	10
	100

FRUITS AND VEGETABLES.

Quality	50
Size	20
Color or Finish	20
Other Points	10
	100

MANUFACTURED ARTICLES.

Utility	30
Durability	20
Simplicity	25
Cheapness	25
	100

Inferior exhibitions to be excluded by the committee.

Signed

W. A. Manda.
J. H. Troy.
W. I. Brower.
Alex. Burns.
J H. Keller.

A motion was made that manufactured articles, such as boilers, etc., be excluded on account of their weight and bulk. It was then suggested that the committee appointed visit the exhibitor's factory and pass on the article there. Eventually the boiler question became very "warm" and the whole report was adopted as read, with this very wise exception, that "manufactured and so-called natural prepared plants be barred," with a big B. A vote of thanks was accorded to the committtee.

Election of Officers.

The election of officers and trustees resulted as follows: President, William

Plumb; vice-president, J. M. Logan; treasurer, C. B. Weathered; secretary, John Young; board of trustees, Wm. I. Brower, J. H. Troy, Alex. Burns.

A motion to appropriate the sum of $150, to be given to the essay committee to defray expenses attending the securing of essayists and having their papers copyrighted so that members should receive a copy of same and the plates then be destroyed, was carried.

At the conclusion of the unfinished business, President Henshaw invited the members present to discuss the future of the club, in which Messrs. May, Morris, Burns, Weathered, Withers, and Manda took part. A motion to have the usual annual dinner was referred to the next meeting.

Invitation to Poughkeepsie.

A letter was read from the Dutchess County Horticultural Society inviting the club to attend their annual dinner, to be held January 5, at Poughkeepsie, was referred to the secretary, in order to return a hearty vote of thanks.

A New Carnation.

There was only one novelty exhibited, a carnation named "Francis Joost," by C. Besold, Mineola, L. I. It is a cross between Wm. Scott X McGowan, and besides having the good qualities of both, the color was an exceptionally fine pink, good calyx and long, stiff, erect stems. Mr. Besold explained that he had had the variety four years and that the blooms exhibited were from cuttings taken from the propagating bench in the middle of June and planted in the house at that time; it undoubtedly has a future before it. A vote of thanks was accorded the exhibitor.

"On Change."

Well, Mr. FLORISTS' REVIEW, what kind of weather do you call this, was the greeting I usually received from the wholesale men, and 'tis a fact the warm weather has been knocking things higher than the proverbial kite the last few days and last Saturday the surplus stock usually closed out was carried over to take chances on Monday morning; this applied more especially to violets and carnation stock.

Prices are ruling about the same since sent in my last report. Beauties, fancy stock, slightly higher, however. Good stock of all kinds finds ready sale in spite of the elements. Medium stock sells middling and poor stock realizes what you can get and sometimes less. Carnations fluctuate about as much as anything in the market. The fancy stock, as in all other lines, seems to have the call; the day for "culls" seems to have gone by. Paper white narcissus are coming in slowly, and I haven't seen a "mum" for over a week. Smilax is a little above the demand these days, and orchids, more specially cattleyas, are decidedly scarce. The Cypripedium insigne is plentiful, and is being held back for the holidays.

"We expect dull times for about ten days," said one wholesaler, "the calm before the storm, and we are all laying back for it. We hope it will prove no 'Will o' the Wisp.'"

John Young is making great preparations for Christmas, and a friend of his suggested he had gone into the lumber business, but he was only shipping back some boxes that are "disintegrated" and shipped back "flat."

MacDonald & McManus are handling quite a comprehensive collection of orchid flowers these days.



William Plumb.

Around the Stores.

Preparations for Christmas are evident in all the retail stores, some are making red immortelle wreaths, stars. etc., some wreathing—all busy—for the long looked for harvest. Palm trade has not been so good as it ought to have been, the "large stuff" is scarce for decorative purposes. A great many heaths are in evidence, Erica fragrans and Erica Hyemalis being among the earliest to appear. Cyclamen are here in plenty, while gaudy poinsettia makes a brilliant showing. I notice also a great many Solanum Capsicastrum or "winter cherry" in the windows.

A few novelties are seen in some stores. Miniature golf bags in which are sent violets, and the "new speaking flowers," as if flowers could not speak for themselves. This idea is advertised by a lady who paints, for instance on the petals of an American Beauty, various sentiments, as "Bon voyage," "A Merry Christmas," etc.. etc. Next! I saw another novelty in one store, a "miniature greenhouse" filled with small ferns, etc., like a "Wardian Case."

Late Notes.

Excessive rain has slumped the market.

Mr. A. Dimmock sailed on the Teutonic Wednesday.

Mistletoe from England arrived in very bad condition and almost useless.

Among recent visitors was R. G. Hanford, Norwalk, Conn.

The horticultural section of the American Institute met at 7:30 p. m., Tuesday. This new section promises to be one of the leading features in a horticultural sense, and it is expected that a very elaborate and instructive course of lectures will be delivered during the winter. Dr. N. L. Britton, director of the New York Botanical Garden, is president of this section and is aided by the following committee: James W. Withers, A. L. Don, A. Herrington. All meetings are free, and there is no charge for membership.

An Even Exchange.

I notice one of our contemporaries gives us a few left-handed compliments on our debut. It, however, closes by wishing us all the good things of this life, which reminds me of the two Irishmen, one of whom had been "mixing in" the night before with an intimate friend of his. "And don't yer feel revingeful toward him fer wiping the flure wid ye," said Tim. "Sure, no," said Pat, "didn't yez see him hand me the whist broom to brush meself wid after I got up."

H. A. B.

WILLIAM PLUMB.

Mr. William Plumb, who was elected to the Presidency of the New York Florists' Club, Monday evening, is an Englishman by birth, having been born at Buckden, Huntingdonshire, England, in July 1850. Like all successful English gardeners, he served time as an apprentice and journeyman, starting at Chipstead Place, Sevenoaks, Kent, and from there going to Halifax, Yorkshire, and other places.

Mr. Plumb is at present manager and gardener for C. P. Huntington, Throggs Neck, New York City, the great Pacific railroad magnate, and before this had charge of several other estates during his successful career.

He is a man of fine sensibilities, popular and a "hale fellow well met," takes exceptional interest in his work, is a thorough florist in all senses of the word, and as an organizer showed exceptional ability when he was manager of two of the largest and most successful exhibitions at Madison Square Garden, given by the New York Florists' Club in the fall of 1891-1892.

Mr. Plumb is a Mason and a member of Columbian Commandery No. 1, New York, a Noble of Mecca Temple, Mystic Shrine, New York and an Odd Fellow.

PHILADELPHIA.

Weather Affects Trade.

With the mercury lingering between 65° and 70°, it is difficult to imagine that Christmas is but two weeks off, but such is the case. The weather at this date, 11th inst., is so warm and spring-like, that the effect on trade is decided. In other words it seems to take the starch out of business Trade had made a fair start and we all commenced to feel that we were "in it," but these freaks in the

weather put a damper on us. However, it is safe to say that the present season will prove satisfactory; this seems to be the general opinion about town.

Resume of the Flower Market.

Prices are advancing, and it might be said that the advance is so steady that we see the upward move every day, hence to quote prices today would be misleading. The growers are having their inning now, both the plantsmen as well as the cut flower growers. Plants play an extensive part in the holiday trade in this city, and, it is evident that the sale of decorative and flowering plants increases each year. On every hand the florists are preparing for the coming rush, and all the spare time is devoted to fixing up, preparing the dried work, and innumerable other et ceteras.

Christmas Greens.

At this season we come face to face with the Christmas greens man. This class of merchants hail from the lower counties of New Jersey. They come to town in greater numbers just before Christmas, than at any other time of the year, and each and every one offers the same line. It is well for the city florist that we have a contingency of this kind, as they bring to our doors the rough goods that have become indispensable to the retail dealer, especially those whose trade in large decorations form an important branch of their business. When we consider the vast quantity of this material used, it appears enormous. Take the trade in Christmas trees alone, and imagine the number used. It is reported on reliable authority, that at this writing, there has been received at one of the railroad terminals in this city 165 carloads of Christmas trees, which come from the forests of Maine and New Hampshire. This is only the shipment over one road. What will be the number when the entire output is on hand?

Sickness in the Trade.

Mr. Thomas Cartledge, who has been under the doctor's care for some weeks, is on the improve. When seen in the city this week he showed marked signs of convalescence; may it continue.

Mr. Robert Craig, who is still confined to the house with typhoid, is on the road to recovery.

Mr. Edwin A. Sidewitz, of Baltimore and Annapolis was with us this week.

The appearance of the FLORISTS' REVIEW, which came to hand this week, was complimented on every side, for its valuable contents and artistic makeup. It has a bright prospect before it. F.

CHICAGO.

Club Meeting.

At the last meeting of the Chicago Florists' Club the amendment to the constitution which will make it possible for former members who have been dropped for non payment of dues to come in again on the same basis as new members, was adopted. It is hoped that this will bring into the club a lot of former members who allowed themselves to drop out at that period in the club's history when it was so unfortunate as to have financial secretaries that did not attend to their duties; during this period the dues of the members accumulated to such an extent that the amount seemed too large to liquidate.

A committee, consisting of Messrs. P. J. Hauswirth, E. Wienhoeber. G. Stollery, James Hartshorne, and J. S. Wilson, was appointed to act with the officers of the American Carnation Society in preparing for the annual convention of that body in this city next February. The committee was instructed to invite all the prominent members of the trade in this city to act with them in the matter. Ten new members were added to the roll, as follows: John Degnan, Lloyd Vaughan, J. C. Mulder, John Cook, Robert Lundstrum, Anton Then, Fred. Hills, Henry Hilmers, E. F. Winterson, and William Martin.

The special order of the evening was the discussion of "Fumigation versus Vaporizing." The discussion was opened by Mr. Edgar Sanders, who had with him a sample of tobacco paper, manufactured by the Skabcura Dip Co., of this city. It was a paper which had been saturated in a form of nicotine which the manufacturers thought would, when perfected, take the place of all other forms of tobacco insecticides in the greenhouses. A piece of this paper was lighted and passed around to the members, each one taking a sniff, but all agreed that this would not settle the question as to the value of the fumigation. In the discussion which followed, the majority of the members seemed to pin their faith to vaporizing with the Rose Leaf Extract of tobacco, though in certain cases they found that the old-fashioned method of fumigating with tobacco stems was most effective when there was a bad case of fly and there were no flowers in the house to be injured by the smoke. The general opinion, however, was that such a condition of affairs should never be permitted and that persistent vaporizing with the Rose Leaf Extract would avoid any necessity for the old-fashioned smoking process. One large grower stated that he had found the Rose Leaf Extract efficacious in the case of thrips on roses, though it took large and frequent vaporizations to accomplish the object.

Messrs. W. H. Ellis, of Milwaukee, Wis., and Nixon H. Gano, of Knightstown, Indiana, were present as visitors.

As the date for the next regular meeting falls on December 23rd, when all the members will be rushed with Christmas business, it was decided not to attempt to hold a meeting at that time, therefore the next meeting will be held January 13th. This will be Ladies' Night and the committee on programme will have a special entertainment arranged for the occasion. All the members are requested to bring their wives, daughters and sweethearts on this occasion and a very enjoyable evening is promised.

Among recent visitors to the city was Mr. Alex Galt Robinson, of the Louisville Spirit Cured Tobacco Co., Louisville, Ky. It is to be regretted that he arrived too late to attend the club meeting and hear all the pleasant things the members said about the Rose Leaf Extract.

The Chrysanthemum Show.

The report of the managers of the last chrysanthemum show appears below:

RECEIPTS.

Gate receipts	$4,389.35
Cut flower booth, commission and programme advertisements	355.98
Total receipts	$4.745.33
Premiums given by friends of the Society	$1,393.39
Total receipts from all sources	$6,138.72

EXPENDITURES.

Installation, maintenance and rent	$1,444.16
Advertising	894.64
Preliminary	87.00
Recording and accounting	117.50
Art Exhibit	162.24
Music	165.00
Judges	133.94
Admission	99.00
Programme	204.80
Premiums	1,748.00
Total	$5,056.28
Excess of receipts over expenses	$1,082.44
Deficit of the show on its merits (that is, if donated premiums are not considered)	310.95

The St. Louis Trip.

The pilgrims returning from St. Louis report that they were received with open-handed hospitality by the St. Louis boys and that they were presented with everything in the city except the winning scores in the five games of ten pins. The party was met at the station by a committee from the St. Louis Club, taken to breakfast and then shown all the down town florists' stores, both wholesale and retail, after which the cars were taken to the most accessible stores in the West End. A good deal of territory was covered and it is a question if anyone could have seen more and to better advantage than this party of fifteen or more.

At 1 P. M. the games were started and the mournful tale is told in the scores in the St. Louis notes. After the games came a very enjoyable supper, and then the trip to the station, escorted by a large delegation of the local people. The party reached Chicago with the bowling fever somewhat subdued but with many pleasant recollections of the time that preceded and succeeded the games.

But the games were not so bad either, and we rejoice that the highest average was made by Mr. John Zeck of the Chicago team. And that third game! It is no disgrace to be beaten by such magnificent bowling as the St. Louis boys did. The alleys were strictly regulation and the rules were rigidly enforced. The third match will probably be played in Chicago at the time of the Carnation Society convention next February, and it is hoped that Milwaukee and Cleveland will send teams to take a hand in at that time. St. Louis will stand at the head until then.

Among the Growers.

A trip among the Bowmanville growers will convince one that they "are on to their job." The stock on all the places hereabouts is in excellent shape. On the places of Johnson & Carlson, Otto Ristow, and Magnuson & Pearson, the Brides and Maids were particularly good. Magnuson & Pearson have four houses in

mushrooms, and A. V. Jackson has two houses planted with them. Allen & Ockerland are cutting fine Beauties.

Chas. Schafer has his place planted to carnations excepting one house in which he has some fine Kaiserins. Louis Ristow also grows carnations almost exclusively.

Weber Bros. were not at home, but from the appearance of their carnations one would assume they generally are, for their stock is particularly fine, especially their Scotts and Daybreaks, which are the finest we have seen in many a day.

Anton Then grows largely pot plants in flower. We noticed some good cyclamens and Begonia incarnata in 8-inch pans, and some excellent 6-inch Pteris serrulata.

For a tidy place that of Herman A. Bauske cannot be surpassed. It is as neat and clean as it is possible to keep a greenhouse, a d his stock shows that he does not spend all his time in cleaning up, as that too is in excellent condition. Mr. Bauske was not at home when we called.

J. A. Budlong has a finely equipped place. His heating plant appears as near perfect as it is possible to have it in a commercial place, with valves so arranged that any number of coils of pipe may be used to maintain the desired temperature. And his stock shows that it pays to equip a place in a proper manner.

We found Mr. E. Nelson busy cutting some fine buds. He took time, however, to show us over his place, which is in good order.

At Oakwood Cemetery the stock, which is mostly bedding plants, is in excellent condition. They also grow a house of roses and several houses of carnations. Mr. Reid has a sport from Tidal Wave. It is identical with the parent except in color, which is a bright and pleasing shade of red. This surely will find favor when placed upon the market.

Jacob Meyer, of Niles Center, has two houses of violets in the finest possible condition. None better have been seen in this neighborhood. They are mulched with shavings and sawdust to keep the flowers clean. The blooms are excellent.

Cut Flower Market.

Kennicott Bros. Co. predict a serious shortage of roses for Christmas, and that violets will be good but scarce. Of carnations they hope to have a fair supply. Owing to the gloomy, wet weather, quality will be soft. They report that in previous years there has been a demand for cheap flowers, but this year everyone wants the best and there is not enough extra grade to supply the demand.

Vaughan, McKellar & Winterson report roses off in quality, and that the carnation growers seem to be holding stock back. Violets are selling at good prices.

A. L. Randall says there will be a big shortage in Beauties and violets for Christmas.

Bassett & Washburn fear a serious shortage in roses.

Various Items.

Mr. Roach, representing M. Rice & Co., Philadelphia, is at the Sherman House, where he has been quite ill for several days.

J. D. Busch, Elgin, Ill., was a recent visitor.

Mr. Kelley, shipping clerk for Kennicott Bros. Co., was recently the victim of a "hold up."

Next Monday Mr. E. C. Amling will remove to 51 Wabash avenue, where he will have much larger quarters, and be in better shape to handle his increasing business.

Mr. John J. Ring, who was formerly with various Chicago growers, and who will be remembered as a rose grower of much ability, is now with Mr. Geo. M. Kellogg, Pleasant Hill, Mo.



The Late William Grey.

OBITUARY.

William Grey.

William Grey died at his home on Corning's Farm, Albany, N. Y., November 25th, of dropsy of the heart from which disease he has been afflicted for the past few years. He was buried with Masonic honors, Sunday, November 28th, in Rural Cemetery.

Deceased was widely known both in America and Europe as an ardent lover and successful cultivator of orchids. The collection a few years ago was the largest in America, comprising over 2,300 species, and was brought together at a large expense by the late Hon. Erastus Corning, an enthusiastic admirer of nature who at one time employed three collectors in South America and Borneo.

Mr. Grey was a native of Greenlaw, Scotland, where he was born February 18, 1828, and like his father brought up in the gardening profession. He came to the United States in 1851, worked a while in the nursery of Mr. James Wilson and for Mr. Joel Rathbone, of Albany, N. Y. In 1853 he went to Western Iowa and started in the nursery business, but severity of the climate and hardship soon caused his return East and he entered the employ of Mr. John T. Norton, Farmington, Conn.

In the fall of 1856 he returned to Albany as gardener to Gen. John F. Rathbone and from there engaged with Mr. Corning as superintendent, where he remained nearly forty years, surviving his employer and friend only three months.

Of late years he was much interested in raising hybrid orchids and left behind many noted examples of his skill.

Mr. Grey was also an enthusiastic entomologist and had made a life study of lepidoptera. His collections embracing over 30,000 species, have been left to his son Robert, who is also interested in the same study. He leaves a wife and five children to mourn his loss.

John Rowan.

I regret to report the decease of John Rowan, who for seventeen years performed faithful service with the house of Robert Veitch & Son, of New Haven, Conn. Bright's disease, followed by pneumonia, was the cause of death.

The deceased was a native of Scotland, sixty years of age, and leaves a wife and seven children, with a large circle of friends, to deplore his departure beyond the bourne from whence no traveler returns.

W. M.

CLEVELAND.

Outlook for Christmas Supply.

The weather in conjunction with the outlook for Christmas stock, forms the principal topic of conversation in floricultural circles at present. Ever since the disappearance of the chrysanthemum as a factor in the cut flower situation, there has been more or less difficulty in getting good stock, either locally or from out of town sources, to properly supply the demand. This has been more particularly true of carnations, which have been in very short supply and not of overly good quality in general.

There is nothing intended by the foregoing to imply that trade has been particularly good on the average, for it certainly has not been so with the majority of the florists here. Wherever one went the story was usually about the same. "No, business is nothing extra, but there is enough for the flowers to be had."

Weather Conditions.

The weather possibly has been an important factor in bringing about this undesirable condition of affairs, there having been an exceedingly long spell of very dark, cloudy, rainy and generally disagreeable weather, the most unfavorable that could be imagined. There has been no frost to freeze up the mud under foot and render buying to the average shopper anything but the most disagreeable of necessary duties, hence a good deal of business that might have been developed has not made itself manifest. There has been only about two days of late in which the sun has been visible with sufficient potency to advance the growth of cut flower stock appreciably.

Scarcity of Stock.

Should this state of affairs continue a short time longer, good stock, or very likely stock of any kind, good or bad,

will be in short supply for the holidays, at least among local growers. Roses that have been off-crop and were coming on again for the holidays, are certainly suffering as to prospective quality at that time. Carnations as said before, are now in short supply; there will be small opportunity to accumulate much between now and the time of need without exceptionably favorable weather. Chrysanthemums do not seem to have held on quite as late as usual and have nearly disappeared from the market. Romans of course, as well as narcissus, will be on hand to help out, but outside of these and various greens and some odds and ends, the outlook for a large supply is certainly not very brilliant. In flowering plants, azaleas, Deutsche Perle, Simon Mardner and Vervaeneana, with the usual cyclamens, primulas, begonias, poinsettias and Marguerites comprise the list.

A Graham & Son are cutting some very fine carnations, Flora Hill, Jubilee and Pingree. The same firm have half a house of chrysanthemums, Lincoln, Jerome Jones, Niveus, Eda Prass, Maud Dean and V. H. Hallock, that are in good condition for Christmas.

Bowling.

The bowling club held an extra meeting on the evening of December 6 for the purpose of entertaining the ladies and incidentally eating various good things provided for the festive occasion. There was a large attendance and everybody had a gorgeous time. NEMO.

BOSTON.

Boston Florists' Club.

The last meeting for 1897 was held on Tuesday evening, December 7th, with only a few members present. The business of the meeting was unimportant in character, but a very able essay was read by Mr. Andrew H. Ward, one of the firm of large manufacturers of artificial inodorous concentrated plant food, which he spoke of so minutely that it seemed there was little room left for any discussion, only one or two questions being asked and very easily answered by the lecturer to the satisfaction of all as it brought no further discussion. A vote of thanks was given Mr. Ward which ended the meeting.

It is reported that Mr. Herbert Dumaresq, of Chestnut Hill, has entered into contract with the firm of Lord & Burnham, horticultural builders, for the erection of some new greenhouses which are already under course of construction.

Visitors.

Mr. John Barclay, of the firm of Wm. Elliott & Sons, New York, paid a commercial visit to our township and seems a congenial and well read man. We trust he may do a good stroke of business here. Mr. Littlefield, from Worcester, was here during the carnation show and was representing several of the western growers as well as the home exhibitors.

Results From a Flash Light Photo.

Welsh Bros., City Hall florists, while having a photograph taken of their new and extensive refrigerator, for the exclusive use of our new issue of the FLORISTS' REVIEW, had quite an experience about 10 A. M. Saturday morning. The refrigerator extends across the lower end of their store from Chapman street to Province street, a length of probably 100 feet. To enable the operators to obtain a good and effective production the manager in charge deemed it advisable to put in an extra charge of magnesia powder to gain desired effect, and when all was ready and the word given to touch the matter off, the effect was surely instantaneous, and with the flash came an explosion which was as the report of a cannon and the shock was felt very much over the surrounding neighborhood. With the exception of damaging two windows and otherwise flattening somewhat one or two of the members of the firm and some of their employes, no serious damage was done. A lot of palms and nephrolepis that were in the window that was broken, to all appearances some hours afterwards were not in any way injured, and no damage seemed to have been done to anything except breaking the glass by the concussion.

City Improvements.

Mr. William Doogue, our city forester, who is so well known for his startling surprises in adorning and beautifying our parks and squares, has his experienced gardeners working in Copley Square laying out beds on a very elaborate scale for planting bulbs—tulips chiefly—of which it is calculated to take over 40,000, and, being so late in the season, was a more difficult task to procure than the laying out and planting would be, he having tried all the dealers at home, in New York and Philadelphia, and accidentally found just what he wanted with F. R. Pierson Company, of Tarrytown, N. Y., which I have no doubt was as great a relief to them to rid themselves of their surplus stock as it was to Mr. Doogue to find them. The park system will undoubtedly be a very attractive feature next spring and a pleasing ornamentation to the residents in this neighborhood as well as the thousands who ride past in the cars daily. The planting, as I understand Mr. Doogue, is to be done in all solid and bright colors which will harmonize with the surrounding buildings. The beds are all laid out in a scroll pattern, which must be a very attractive issue, it being a break from the old line of solid beds.

Trade Items

A new florist store has been opened on Main street, Worcester, by Messrs. Potter & Coussins, who it is said are a very enterprising firm and will look out for their share of the patronage of that city as well as the neighboring community.

Charles Ingram, of Reading, Mass., has contracted with the wholesale firm of Welch Bros. to take the whole of his cut of Fisher carnations which are first class in flower with clean and healthy foliage, and it is said to be the best stock in the neighborhood.

Wholesale Notes.

The flower market here has been much on the principle of the preceding week and prices ruling much on the same lines, but with the approach of Christmas it is the general voice that prices and business will jump.

Florist Versus Gas Company.

This was an action brought for trial by Cyrus P. Dorr, florist, Laconia, N. H., against the Winnepesaukee Gas & Electric Company of that place, and I considered it might be very interesting, and of some value to your readers, as many instances have come under my notice where damage has been done by escaping gas permeating the ground, sometimes for a considerable distance, and eventually finding its outlet; in this instance it happened to find its liberty in a greenhouse where it caused great havoc among the plants.

The case was brought in the Belknap County Supreme Court, and tried by Judge F. N. Parsons at the adjourned term of the September court. A verdict was found for the plaintiff in the sum of $763.00. C. H. J.

ST. LOUIS.

Club Meeting.

The regular monthly meeting of the St. Louis Florist Club was held last Thursday afternoon at 3 p. m., with President Halstedt in the chair and twenty-five members present. The large attendance was owing to the final report made by the executive committee of the late chrysanthemum show. The committee made a report showing a loss of about $400, and stated that the special prizes would be paid out in full just as soon as they could be collected; also the Shaw prizes. The club prizes will be paid as per rule fifteen in our premium list of rules governing the exhibition. The committee could not make its final report, and was given until next meeting to do so. Those who were given certificates of merit will receive them by January 1, 1898.

Applications for membership were made by Andrew Meyer, Jr., and Fred. Foster.

William Trillow, of Belleville, Ill., had on exhibition a fine late yellow seedling chyrsanthemum not named which was awarded a certificate of merit by the committee.

The chair then appointed a committee of three to make arrangements to entertain the Chicago Florist Club members who would visit us December 12th. The committee was as follows: J. J. Beneke, Al. J. Bauer, and Will. C. Young.

The secretary then brought forward the bronze medal and certificate sent to the St. Louis florists from the World's Fair. The secretary was instructed to give same to the Missouri Botanical Gardens.

Question Box.

The question box brought on quite a discussion on the question of "How to run a flower show successfully." One member of the committee named a few of the backbiters who did everything they could to harm the show. The committee worked



City Hall Flower Market, 15 Province Street, 9 Chapman Place, Welch Bros. Proprietors, Boston, Mass.
The largest market for sale of flowers in New England.

hard and should be given credit for the way they conducted the show and not have slurs cast upon them. One member will have to give a good account of himself at the next meeting of the club which will be held on Thursday afternoon, January 13, at 3 P. M.

Market Overstocked—Prices.

The cut flower trade as usual at this time of year is dull and the market is stocked up with all kinds of flowers, especially roses, which are a glut just now, with prices away down. Good roses can be bought at from $1.50 to $3.00, extra fancy, $4.00 and $5.00. Choice Beauties are not over plentiful and bring from $25 to $35. Carnations are still bringing from $2 to $3 per 100, and are not overplentiful just now. Harrisii are held at from $15 to $18, callas $8 to $10, valley $4, and Romans and paper whites still at $4. Violets, Californias, bring $1.50; single, home grown, 35 cents, southern, 25 cents, and doubles 75 cents to $1.00. Chrysanthemums are about over and only a few can be seen here and there.

Evidences of Christmas.

Christmas greens are greatly in evidence all over town, the large stores and all the floral establishments being liberally decorated. The outlook for a good Christmas trade is very promising this year. The orders for holiday greens are more than satisfactory and I think the demand for holly will be in keeping with previous years.

Personal Notes.

Mr. Julius Koenig Jr., has just completed a new house, 10x100. Mr. Koenig is cutting some very fine carnations and roses.

Mr. Fred. Ostertag, late of St. Louis, but now of Indianapolis, paid us a visit last week. Fred says he feels homesick.

Chicago Bowling Club's Visit.

The Chicago Florists' Bowling Club, accompanied by quite a number of the craft of Chicago, paid a return visit to this city December 12. It was a decided event in local trade circles, and the St. Louis bowlers did their best to make the visit one that would be long remembered by the Chicago brethren. Although the visitors lost the match it was no disgrace, as they all rolled a good average game.

The party included Messrs. G. L. Grant, of the FLORISTS' REVIEW, J. S. Wilson, Phil. J. Hauswirth, John Zeck, Ed. Winterson, Walter Kreitling, J. B. Deamud, Aug. Lange, G. Stollery, and J. C. Vaughan. They arrived over the Wabash R. R. on time, all decorated with Stollery Bros'. new carnation Argyle. They were met by a committee of the St. Louis club, and taken to Hotel Rozier. After a good breakfast a visit was made to all the wholesale houses, and to Fred Weber's, Reissen Floral Co., C. Young & Sons, George Walbart, Ellison & Tesson, and others that were most conveniently reached.

Promptly at 12.30 the Grand regulation alleys were reached where the bowling was to be done. After a little practice the match game began. A lunch was served on a table at the side of the alleys, with plenty of refreshments, coffee and cigars. A large crowd witnessed the games. Among the local craft present were John Young, Ed. Burchel, C. W. Wors, F. C. Weber, George Waldbart, C. C. Sanders, Dr. Halstedt, Dr. Helwig, Will Young, Chas Young, F. J. Fillmore, R. F. Tesson, Jos. Dickman, R. G. Beneke, Frank Ellis, and a host of others not connected with the trade. William Young and J. B. Deamud acted as scorers.

Five games were played, and St. Louis won by 382 pins, having a total of 4,334 against 3,952 by Chicago. The best five games were rolled by John Zeck, of Chicago, 830; C. Beyer was second with 814. The highest single score was rolled by C. Beyer, of St. Louis, 192; John Zeck, second, with 187, and Chas. Kuehn, third with 186.

Following is the score in detail:

CHICAGO FLORIST'S BOWLING CLUB.

Names.	1.	2.	3.	4.	5.	Tot'l.	Avg.
J. S. Wilson	135	113	133	115	120	616	123 1-5
G. L. Grant	172	136	162	125	97	692	138 2-5
P. Hauswirth.	97	118	116	138	129	598	119 3-5
J. Zeck	128	173	177	187	165	830	166
E. Winterson	120	141	156	146	117	679	135 4-5
W. Kreitling	91	116	95	131	104	537	107 2-5
Totals	743	797	838	842	732	3,952	.....

ST. LOUIS FLORIST'S BOWLING CLUB.

Names.	1.	2.	3.	4.	5.	Tot'l.	Avg.
C. Kuehn	186	119	177	135	124	741	148 1-5
J. J. Beneke	149	132	158	122	151	712	142 2-5
J. W. Kunz	130	148	154	126	139	697	139 2-5
Al. Bauer	128	144	142	107	103	624	124 4 5
C. Beyer	141	148	185	192	148	814	162 4-5
E. Schray	148	123	160	130	185	746	149 1-5
Totals	882	814	976	812	850	4,334	.....

After the games the visitors were taken to supper at Lippe's, and at the table were seated twenty-four florists from Chicago and St. Louis. After supper speeches were made by G. L. Grant, President of the Chicago Florists' Club; Dr. Halstedt, President of the St. Louis Florists' Club, J. C. Vaughan, P. J. Hauswirth, and William Young. Mr. Grant's remarks gave the boys some good advice as to how to make a flower show pay. I think the St. Louis boys profited by this speech.

After this the boys were taken to Union station and placed safely on their train, which left at 9:05. Messrs. Lange and Stollery alone remained over to spend Monday with us. The rest all left happy, everybody having enjoyed themselves hugely.

Project of a Return Match Game.

A return match was talked of in February, when the Carnation Society will meet in Chicago; perhaps we could get Cincinnati, Milwaukee, Cleveland, and Buffalo to join us. The Chicago boys claim they will put up an elegant trophy to be rolled for. Count on St. Louis. Now, let's hear from the rest.

J. J. B.

CINCINNATI.

Funeral Creates Large Demand.

The funeral of the late Senator Charles Fleishman took place Monday, December 12th, from the Scottish Rite Cathedral. This occasion created the largest demand for flowers ever known in Cincinnati. B. P. Critchell's Sons had the bulk of the orders. J. Bear and Sunderbruch's Sons furnished several large and expensive pieces. Every available violet within ten miles of this city was used for this occasion.

Business here of late has been good all around. Carnations and roses are in good supply and meet with a fair demand. Violets are scarce and chrysanthemums about done, with the exception of a few late ones.

Meeting of Club – Exhibition.

The regular monthly meeting of the Cincinnati Florist Society was held at the Sixth street Market house on December 11th with President Gillett in the chair. The meeting was well attended. The flower show brought out quite a number of lady visitors, but owing to disagreeable weather, the attendance was not so large as at previous ones.

F. Dorner and Sons showed four seedling carnations and several standard varieties. One in particular, Gold Nugget, in style of Buttercup, caught the eye of everyone.

Mr. Dorner should be congratulated upon having such a valuable variety. Messrs. E. G. Hill & Co. exhibited a fine collection of seedlings and among them were several of great promise; also a late chrysanthemum called Christmas Gift. The flower is a large globular yellow and desirable on account of being so late. City Greenhouses (Mr. Scheibele gardener) showed some cattleyas and ferns, the only orchids in the hall. The Sunderbruch's made a worthy display; the same may be said of Will Murphy who staged quite a large assortment of carnations. Corbett & Wilson were on hand with violets. George and Allen made a gorgeous display of roses, which were much admired. Of course R. Witterstaetter had Evelina, his pet seedling of '96 there. This was the grandest white on exhibition and comes near Mr. J. Thorpe's prediction of carnations four inches across.

Entertainment.

In the evening the boys had a jolly good time. Ben George outdid his last efforts and Mr. Giesy surprised all present with his negro dialect. Both are ex-members of a minstrel show.

NEGRUM.

TWO VETERANS.

In our general introduction for this week appear the faces of two veterans in the trade.

Louis Menand, of Albany, N. Y., is undoubtedly the oldest living florist in America, being now over ninety years of age. His recollection goes back to the very earliest days of the trade in this country and he is still hale and hearty. Many in the trade have read his interesting autobiography, which was undertaken by Mr. Menand at the suggestion of the writer of these lines, and they will be interested to learn that since that volume appeared Mr. Menand has rewritten his reminiscences in French, finding his native tongue more adapted to the recital, and that this volume is now being translated into English for the benefit of his many friends who are unfamiliar with French. Mr. Menand takes as keen an interest as ever in matters affecting the profession he loves and is one of the most respected citizens of Albany. May he live out a full century and more, for it is good to have such men with us.

In our group for this week will also be found a portrait of Mr. Robert Veitch, of New Haven, Conn., who landed in the Elm City in the fall of 1854, founding the seed business which has been so successfully carried on ever since in the same building, now conducted as a seed and flower store with greenhouses attached, by the firm of R. Veitch & Son. The senior member, though past the eightieth milestone, still takes an active part in the business. He was a friend from boyhood of the late Peter Henderson, and one of the first subscribers to the FLORISTS' REVIEW.

OMAHA, NEB.

Flower Market Conditions.

Trade in general is good and there is considerable going on in the way of entertaining. As 'mums are mostly past the demand is for roses and carnations. The former are good but the latter are not up to former years. Violets, especially double ones, are very scarce. We have violets sent in from California, and considering the distance they come, it is surprising that after three or four days' travel, they should look so well. Hyacinths, narcissus and stevia are plentiful. Well grown potted plants seem to be as much in demand as any cut flowers and are preferred by a certain class of people.

Club Meeting.

The Florists' Club had a meeting Dec. 9 at which Council Bluffs and Lincoln, as well as Omaha, were well represented. The committee of the chrysanthemum show are well pleased with the success of the first show ever held in this locality, and are encouraged to work, so that the show of next year will be even better than the one just past.

Mr. Hesser, of Plattsmouth, has been quite sick and is not yet able to be around.

The Trans-Mississippi Exposition grounds present the appearance of an immense bee-hive and work is rapidly going on to get the large buildings under roof, so that a snow storm or bad weather will not interfere with the progress of the work.

J. J. H.

WASHINGTON.

Trade has been decidedly good the past week and the ruinously low prices which have prevailed, are moving upward to a gratifying notch. The demand for cut flowers for Christmas week looks encouraging, already high prices have been offered for a guaranteed supply for that week.

To get the REVIEW by Saturday morning's mail is what we had hoped for but hardly expected. The unexpected has happened for which we are all very grateful.

The Gude Bros. have purchased the entire Linger property at Anacostia, together with all the improvements thereon, including Studer's nursery and greenhouses for $25,300, which is considered a very reasonable price.

Upon the assembling of congress the biggest floral piece in the senate chamber was on the desk of Senator Foraker and had the appearance of a bush of American beauty roses, at least four feet high and spreading to as great a width. They were magnificent flowers and probably a larger floral token was never before carrieh into the senate chamber.

W. H. K.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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WANT ADVERTISEMENTS.

SITUATION WANTED—A thoroughly capable and experienced man wishes a position in charge of a private place. Address W. P. Kelley, 5546 Elisi avenue, Chicago.

SITUATION WANTED—By single man, six years experience in a commercial greenhouse; best of reference. Age 21. Address Robert Belmont, 27 City Street, Utica, N. Y.

SITUATION WANTED—Commercial, semi-commercial or private; 15 years' experience in the finest private and commercial houses of England and the European continent; 4 years in U. S.; married. Address J. Macfarlane, Madison, N. J.

WANTED—New or second-hand glass. Must be cheap for cash. Must be 14 inches in width, any length will do. E. L. CHARLES, 1521 No. High-st., Columbus, Ohio.

SITUATION WANTED—A young man would like position as traveling salesman or would accept position in greenhouse; experienced; good references. Address E. W. Kalisch, 4508 Delmar Av., St. Louis, Mo.

SITUATION WANTED—By good all around florist; have grown mushrooms for market for last 6 years; unexceptionable references. Address H. R. Fisher, 605 Clinton St., Milwaukee, Wis.

WANTED—Partner, in Chicago, with $1,000 cash, to take half interest in a well established paying florist and greenhouse business; experienced man preferred. Address L. F., care Florists' Review.

SITUATION WANTED—As gardener or general manager, to take charge of gentleman's estate; understands his business thoroughly; 30 years' experience; good references; only those wanting a first-class man need apply. Address "Reliable," care Florists' Review.

SITUATION WANTED—Well recommended young man, German; good grower of palms, ferns and other pot plants. Ad. Competent, care Florists' Rev.

SITUATION WANTED—By single young man as assistant to foreman on commercial place; experienced; good habits; industrious; good references. Address Florist, care Carrier No. 1, Newark, Wayne County, New York.

SITUATION WANTED—As working foreman by a thorough, competent, practical man; grower of roses, carnations, mums, violets and general cut flowers; 20 years' experience; aged 39; married; good references. Ad. J. H. D., 17 Grant St., Cleveland, O.

SITUATION WANTED—By practical gardener and florist (American, single) as teacher of horticulture and elementary botany in a public institution. Address Teacher, care The Florists' Review, Chicago.

SITUATION WANTED—Young lady with experience desires position in florist store. M. O. B., care Florists' Review.

WANTED—Young man to take entire charge of four rose houses 75 feet long, modern; board on place; state wages. W. L. Hucke, Belleville, Ill.

SITUATION WANTED—By florist; 30 years' experience; good propagator and maker-up of designs. Address Florist, care Carrier No. 2, Ottumwa, Iowa.

SITUATION WANTED—A successful rose grower desires situation as principal grower on large place or as foreman on medium sized one; references given. Address Nixon H. Gano, care Florists' Rev.

Rogers Park Floral Co.

Christmas Price List

Subject to Change Without Notice.

Roses, American Beauties, 1st grade	$100.00
Roses, American Beauties, 2nd grade	75.00
Roses, American Beauties, 3rd grade	50.00
Roses, American Beauties, 4th grade	25.00
Roses, Meteor and Kaiserin	$12.00 to $15.00
Roses, Brides and Maids	12.00 to 15.00
Roses, Perles	8.00 to 10.00
Roses, Woottons	10.00 to 12.00
Carnations, Common	4.00 to 5.00
Carnations, Fancy	5.00 to 6.00
Violets	2.00 to 2.50
Smilax	12.00 to 20.00
Adiantum Ferns	1.00
Common Ferns, per 1000, $2.00	.25
Romans	3.00 to 4.00
Valley	5.00 to 6.00
Harrisii Lilies	18.00 to 20.00

WHOLESALE GROWERS OF

Cut Flowers

All telegraph and telephone orders given prompt attention.

Tel. Main 1811.

41 Wabash Avenue,
CHICAGO.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO.

WE CAN FURNISH

..PEARL TUBEROSE BULBS..

All native Trees, Shrubs and Bag Plants. Also YOUNG PITCH PINES, HOLLY and WILD SMILAX for DECORATING. Write and tell us what you want. No Yellow Fever here!!

JAS. M. LAMB, - FAYETTEVILLE, N. C.

BOSTON FERN,

Dwarf, shapely plants, 6-inch pots.
$1.00 each, $12.00 per dozen.....

JOHN WELSH YOUNG,
GERMANTOWN, PA.

REINBERG BROS.

WHOLESALE
GROWERS OF CUT FLOWERS.

500,000 FEET OF GLASS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.

SALESROOM—51 WABASH AVE. - CHICAGO.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA

Original Headquarters for CARNATIONS.

Always mention the FLORISTS' REVIEW when writing to advertisers.



Write us for Illustrated Catalogue.

WINTER & GLOVER

21 Randolph St., CHICAGO.

High Grade

Cut Flowers

Properly Packed and Promptly forwarded.

CHRISTMAS PRICE LIST.

To take effect Tuesday, Dec. 21.

	Per 100.		Per 100.
Roses, American Beauties,	$25.00@100.00	Valley	$ 4.00@$ 6.00
Roses, Meteors, Maids	10.00@ 15.00	Romans	3.00@ 4.00
Roses, Brides, Kaiserins	10.00@ 15.00	Paperwhite narcissus	3.00@ 4 00
Roses, Perles	8.00@ 12.00	Poinsettias	20.00@ 35 00
Carnations, Scotts, Tidals, Daybreak, Portia, McGowan, Silver Spray	3.00@ 4.00	Stevia	1.50
		Harrisii	18.00@ 25.00
		Adiantums	.60@ 1.00
Carnations, Fancy, Buttercup, Keller	5.00@ 6.00	Smilax	10.00@ 15.00
		Asparagus	50.00@ 75.00
Violets	2.00@ 2.50	Wood ferns, pr 1000, $2.00, 100 25c	

Full Line of Wire Designs and Florists' Supplies.

All kinds of

Greens For Xmas

Get your orders in early.

We are....

the largest growers of Smilax in the West, having five houses devoted to it. We also grow in large quantities:

American Beauties,
Brides, Bridesmaids,
Meteors, Perles,
Sunsets,
Fancy Carnations
and Harrisii.

A. G. Prince & Co.

WHOLESALE

CUT FLOWERS AND FLORISTS' SUPPLIES

Buy your flowers direct from the party that grows them, as all up-to-date florists do. We are agents for the **Hinsdale Rose Co.,** who have three large plants, and who grow nearly all the stock we handle.

TELEPHONE MAIN 3208.

88 & 90 Wabash Avenue, ...Chicago...



Our Specialties for Christmas

LILY OF THE VALLEY.

From the finest cold storage pips. They are an extra choice lot of flowers, large bells with plenty of deep green foliage. Note the price, $4.00 per 100.

HARRISII LILIES.

Well grown, very large flowers, good long stalks. They are the best in the market. Price, $15.00 per 100, $2.50 per doz.

ASPARAGUS PLUMOSUS.

Good strong strings. Price, 50 cents per string.

SMILAX.

Heavy long strings. Price, $1.50 per dozen.

ADIANTUM FERNS.

Long and well grown. Price 75 cents per 100.

ROMANS.

Per 100, $4.00 to $5.00.

PAPER WHITES.

Per 100, $4.00 to $5.00.

TULIPS PROSERPINE.

Per 100, $8.00.

Greenhouses and Residence:

HINSDALE, ILLINOIS.

Long Distance 'Phone No. 10.

Store: 88 Wabash Avenue,

CHICAGO, ILLINOIS.

Long Distance 'Phone Main 223.

E. C. AMLING

Wholesale Cut Flowers

Growers will serve their own interests by corresponding with me before sending elsewhere....Consignments solicited....Not interested in any greenhouses....Square dealings and prompt returns guaranteed....Send for my Weekly Quotations, issued every Saturday—free on application.

TELEPHONE MAIN 4337

88 Wabash Avenue Chicago

Removal

Next Monday, (December 20) I shall remove to

51 Wabash Avenue

where I shall have double my present space and where I will be in better shape than ever to handle your orders.

Send..... Them In.

PALMS

SPECIAL OFFER

For Next 30 Days.

ARECA LUTESCENS—6-inch pots at 50c, 75c and $1.00; 8-inch pots at $1 50 and $2.00; 10-inch pots at $5.00, $6.00 and $7.00.

LATANIA BORBONICA—6-inch pots at 50c. All A1 stock. Price list of general stock on application.

Chas. D. Ball,

Holmesburg, Philadelphia, Pa.

Always mention the FLORISTS' REVIEW when writing to advertisers.

BARNARD'S STANDARD BRANDS OF Xmas Decorations.

If you want some FANCY HOLLY, Choice Evergreen Wreathing, Select Mistletoe, Bushy Christmas Trees, etc., etc., and want them promptly, wire to

W. W. Barnard & Co., 186 E. Kinzie St., Chicago.

E. G. HILL & CO.

RICHMOND, IND.

Wholsale Growers of Plants.

All the best novelties in

CHRYSANTHEMUMS,
CARNATIONS, ROSES,
GERANIUMS, BEGONIAS, ETC.

Send for list.

Mention THE REVIEW when writing advertisers.

A Sample Collection

We are growers of 2,000,000 plants per year, and wish every florist to see our stock, so we make up this $1.00 sample of new and standard plants worth $5.00 to any florist, as an advertisement so you can order by the 100, 1,000, 5,000 or 10,000 lots.

MORRIS FLORAL CO.

MORRIS, ILLINOIS.

Always mention the FLORISTS' REVIEW when writing to advertisers.

A. L. RANDALL

.....126.....
Dearborn Street
Chicago

Xmas Price List

EFFECT DEC. 22, '97.

	PER HUNDRED
American Beauties, long	75.00—100.00
" " 24-in. long	50.00
" " 15-in. long	30.00
" " 10-in. long	20.00
Maids, Brides, Meteors	12.00— 15.00
Perles	6.00— 10.00
Carnations, long	2.50— 3.00
" " fancy	4.00
Valley, homegrown, long stems	4.00
Romans, Narcissus	3.00— 4.00
Callas, Harrisiis,	15.00— 20.00
Adiantum, Stevia	.75— 1.50
Mignonette, Heliotrope	2.00— 3.00
Violets	1.00— 2.00
Smilax, fine	10.00— 12.00
Common Ferns, per 1000	2.00

OUR SPECIALTY:

Roses AND Carnations

Store Open till 7 P. M.
Sundays till 12 Noon.

WHOLESALE.....

CUT FLOWERS

Florists' supplies furnished at lowest prices.
Remember our Valley—none better—home grown.

Give us your orders and

Save time, delay and money.

We aim to please.
Write for special quotations on large orders



Holly, Bouquet Green, Wreathing.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

In Effect until Superceded by our Special Holiday Prices.
Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary	per 100	$2.00—$3.00
Select	"	
Fancy	"	
ROSES.		
Beauties, long, scarce	per doz.,	$5.00—
Beauties, medium, scarce	"	2.00— 3.00
Beauties, short, scarce	"	1.25— 1.50
Brides	per 100,	6.00—
Kaiserin	"	6.00—
Maids	"	6.00—
Meteor	"	6.00—
Perles	"	4.00—
Our Selection	"	5.00—
GREENS.		
Asparagus	per string,	$ .75—
Ferns, Adiantum, select	per 100,	.75— 1.00
Common Fancy, 1,000, $1.50,	per 100,	25—
Smilax, common, fancy	per doz.,	1.25— 1.50
Ivy Leaves	per 100,	.75—
Galax, green and bronze	"	.15—
Wild Smilax, Parlor Brand	case,	3.75—
Wild Smilax, Medium	"	5.50—
Wild Smilax, Large	"	8.00—

Extra fine lot of Wild Smilax now on hand.

MISCELLANEOUS.

Poinsettias: We will have a fine lot for Christmas—supply limited—all orders will be filled in rotation. We quote price now at $4.00 per dozen.

Marguerites	per 100,	.75— 1.00
Mignonette	"	3.00— 8.00
Callas	per doz.,	1.50—
Harrisii	"	2.00—
Paper white Narcissus	per 100,	3.00— 4.00
Stevia	"	1.25—
Swainsona	"	2.00— 4.00
Valley	"	5.00—
Violets	"	1.50— 2.00

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

HUNT'S WEEKLY REVIEW OF THE CHICAGO MARKET.

Steady cloudy weather with frequent rains and light flurries of snow have been continuous and all indications point to a continuance of these conditions for yet a while.

Stock of all sorts scarce and growing scarcer daily—seemingly getting ready for a famine later on. Growers are running houses as cool as possible and not overdo it—even with their evident designs on a reserve supply for Holiday Trade it is doubtful if they can hold much back as wholesalers are raiding all places within reach daily to fill rush and heavy orders.

Violets good in color and stem but exceedingly shy in bloom. Carnations fair to good, but few really high grade coming in. Stems getting shorter and weaker.

Roses while lighter in cut are really improving in color and foliage. Maids particularly showing best rate of improvement. La France, Testout, Siebrecht and Carnot continue to be "off" in both cut and quality.

Harrisii were never so good at this season as at present. Valley also is high grade with nearly everyone.

Bulbous stuff is fine and quite plentiful and is going readily at paying prices—forcers probably will realize more for their cut than for last two seasons—in spite of added cost due to duty.

The shortage of fine white stock is now well filled with first-class stevia which is plentiful.

Extra fine poinsettias have made their appearance. Few will be seen however until Christmas as better prices will be realized then.

"Mums" save for a few holdovers have disappeared. Quite a number of growers have some that will be cut soon now that should be fairly good.

Cut flower stock of all sorts will be scarcer this Christmas than for several seasons.

GLADIOLI, is the title of an interesting pamphlet, issued by Mr. Frank Banning, Kinsman, O. While in it bulbs are offered for sale, it is more than a price list, giving a useful review of proper methods of growing, and of producing new bulbs. It can be had free on application, mentioning the FLORISTS' REVIEW.

...AZALEA INDICA...

WE have a large assortment of all the leading varieties which we make this special offer for cash 10 to 12-in. crowns, full of buds, $3.50 per doz. 13 to 15-in. crowns, 50 cts. each; $5.50 per doz.

WHITTON & SONS, Wholesale Florists,
City and Green Streets. UTICA, NEW YORK.

PALM Seed. Fresh on Hand.

	100.	1000	3000.
Cocos Weddelliana	$1.25	$10.00	$27.50
Musa Ensete	1.25	10.00	27.50

J. L. SCHILLER,
404 E. 34th Street, New York, N. Y.

THE BEST FOR ALL Florists

"ROSE LEAF" INSECTICIDE EXTRACT OF TOBACCO

For Sale by Seed Stores.

For Free Pamphlet, write to
Louisville Spirit Cured Tobacco Co.
Louisville, Ky.

If you buy flowers and supplies of Kennicott Bros. Co., Chicago, you will get what you want and at the right prices.

Lager & Hurrell

ORCHID GROWERS AND IMPORTERS

SUMMIT, N. J.

Correspondence Solicited

CHAS. W. JACOB & CO.

DIRECT RECEIVERS OF

CAPE FLOWERS

WRITE US for Samples and Prices for any Quantity.

NO. 63 PINE ST., NEW YORK.

Please mention the Florists' Review when writing advertisers.



We acknowledge no superiors

In packing Cut Flowers for shipment. Flowers ordered from us will reach you in first-class condition.

HOLLY

—Best Delaware, $5.00 per Case.

BOUQUET GREEN

—$3.50 per 100 lbs.

WILD SMILAX

—in following sized Cases:

No. 1	85	square feet	$1 50
No. 2	200	" "	2 50
No. 3	300	" "	3 75
No. 4	400	" "	5 50
No. 5	500	" "	7 00
No. 6	600	" "	8 00

NEEDLE PINES

—36-inch, $2.75 per dozen.

BOUQUET GREEN WREATHING

—$3.00 per 100 yards.

SABAL PALM LEAVES

$3.00 to $5.00 per 100.

LOUISVILLE.

The regular monthly meeting of the Kentucky Society of Florists was held at Mr. Wm. Walker's store on Jefferson street, it being the last meeting of the year. The election of officers for 1898 resulted as follows: Henry Lichtefeld, president; Fred. Haupt, vice president; C. H. Kunzman, recording secretary; Joseph Coenen, financial secretary; Herman Kleinstarink, treasurer; E. G. Reimers, trustee for three years. Mr. Van Pelt was elected an honorary member.

This has been a very successful year for the Kentucky Society of Florists, for both our spring and fall shows were a financial success. The first meeting of 1898 will be held at the establishment of Jos. Coenen, and we are going to start in with a grand installation of officers and supper for both the flori ts and their wives. KY.

DOVER, DEL.

J. C. Baker has lately started in the florist business and has built three houses 20x80, with an office in front. The houses are well stocked, and being on the main street by the P. R. R. station, all looks promising for a successful business.

ERNEST ASHLEY.

THE TREE'S REPLY.

(LYNNETTE LOQ.)

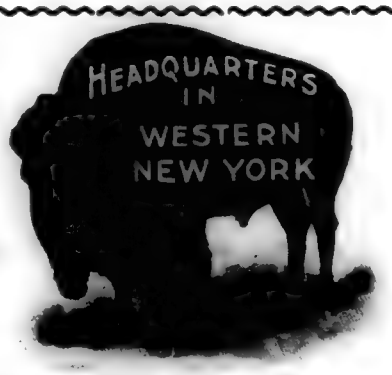
"Oh, trim little orange tree,
The nursling of tropic lands."
She sighed in her ecstasy
While wringing her jeweled hands.

"Oh, isn't there bloom and bloom,
Your bonny boughs may unsheath,
One day to dispel my gloom
And weave me a bridal wreath?"

"No, no," lisped the leaves of green,
"For alas and alack, ah me,
I am, little blue-eyed queen,
But a fifty-cent rubber tree."

R. K. MUNKITTRICK.

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

CHRYSANTHEMUM

STOCK PLANTS.

Best early white, $2.00 per doz.; less than dozen 25c each. Buy direct from the introducers.

FISCHER & EKAS,

TOLL GATE, BELAIR AVENUE, BALTIMORE, MD.

ROSES

CRIMSON RAMBLER ROSE

EXTRA STRONG FIELDGROWN PLANTS FOR EASTER FORCING.

We offer an extra fine lot of strong fieldgrown plants of the Crimson Rambler Rose for Easter forcing.

We desire to call the attention of the trade to the great value of this rose as a pot plant for Easter sales. It is one of the showiest and most beautiful of all hardy plants, but also makes one of the most beautiful pot plants for florists' sales, and is particularly adapted for forcing for Easter, having proved one of the most valuable novelties grown for this purpose. A Boston grower realized ten dollars each for every plant he had.

We can supply an extra fine lot of extra fine plants for potting and growing on for this purpose—plants four to five feet high, three to four strong canes each—stock in the very best possible shape. These long canes will flower from every joint, and by proper training and winding the plants can be made of immense size, covered with a perfect mass of bloom. We know of no choicer plant for the Easter trade, and florists who do not supply themselves with a lot of this stock for this purpose will regret it.

Strong fieldgrown plants, three to four canes each, four to five feet long, $3.00 per doz ; $20.00 per hundred.

HYBRID PERPETUAL ROSES.

We also offer an unusually fine stock of the very choicest and most desirable varieties of **Hybrid Perpetual Roses** for growing for pot plants for florists' use for Easter and spring sales or for outdoor blooming. Our stock is unusually strong, and cannot fail to please. We can supply the following extra choice sorts, viz:

Mrs. John Laing,	Ulrich Brunner,	Paul Neyron,	Gen'l Jacqueminot,
Mme. Gabrielle Luizet,	Anna de Diesbach,	Margaret Dickson,	Magna Charta,
Baroness de Rothschild,	Clio,	Baron de Bonstetten,	Marshall P. Wilder,
Prince Camille de Rohan,	Alfred Colomb,	Etc., etc.	

Strong fieldgrown plants, extra heavy, $2.00 per doz.: $12.00 per hundred.

F. R. PIERSON CO. Tarrytown-on-Hudson, NEW YORK.

Send for our Special Price List of Palms and other Decorative Plants.

"We have not moved" THE NAME OF OUR STREET HAS BEEN CHANGED, TO 1612-14-16 Ludlow Street.

SAMUEL S. PENNOCK,

1612-14-16 LUDLOW STREET, - - - PHILADELPHIA, PA.

BETWEEN MARKET AND CHESTNUT STREETS.

HARDY ROSES, C. H. JOOSTEN, Importer, 193 Greenwich St., NEW YORK.

Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

Burpee's Seeds Grow

Try Jadoo... and be convinced



KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

AND FLORISTS' SUPPLIES,

88 WABASH AVENUE,
CHICAGO, ILL.

LONG DISTANCE TELEPHONE
EXPRESS 466.

ROOMS 22 AND 23.

For Xmas Trade



A necessity for the Holidays.

We Sell.....

Fresh Violets

And are headquarters for the best grown for this market.

Carnations A Specialty

We control more Carnations than any other house in the country and can fill orders large or small.

Lily of the Valley

Western agents for E. G. Asmus' high grade stock—best and most uniform grown. And ALL OTHER FLOWERS at lowest market rates.

Kennicott Bros. Company===

Are, and have been, the leading wholesale florists in Chicago for more than 15 years. If a general order can be filled in this market WE CAN DO IT.

Wire Work, Sheaves, Sago, Palm Leaves, Doves, and all desirable Florists' Supplies...

WRITE FOR CATALOGUE AND CUT FLOWER PRICE LIST.

Christmas Price List

In effect December 21st, 1897.

WHOLESALE CUT FLOWERS.

American Beauties, per doz.,	$2, $3, $5, $8, $10	
Brides	per 100,	$10.00—$15.00
Bridesmaid	"	10.00— 15.00
Kaiserin	"	10.00— 15.00
Perles	"	8.00— 10.00
Meteors	"	10.00— 15.00
Woottons	"	10.00— 12.00
Carnation, long	"	2.00— 3.00
" fancy	"	3.00— 5.00
Violets, "	"	2.00— 2 50
Valley, "	"	5.00— 6.00
Romans, Narcissus	"	4.00— 5.00
Harrisii	"	15.00— 25.00
Adiantum	"	.75— 1.00
Smilax	"	10.00— 12.50
Ferns, com.	per 1000,	$1.50, per 100, 20c
Asparagus	per 100	.50— .75
Poinsettias	"	20.00— 25.00

HOLLY AND GREEN

DELAWARE HOLLY, per case,	$ 4.50
SOUTHERN HOLLY, per case,	3.50
BOUQUET GREEN, per 100 lbs.,	4.00
GREEN WREATHING, per 1000 yds.,	30.00
MISTLETOE, per lb., 20c. Bbl., 25 lbs.,	4.00

Our Postal Card Price List may not reach every buyer. We therefore use this means to reach everybody in the trade.

Send Us Your Xmas Order.

The RIGHT kind of Stock, packed in the RIGHT way, delivered at the RIGHT time, and at the RIGHT prices

W. E. LYNCH,

Wholesale Florist

19-21 Randolph Street. CHICAGO, ILL.

Write me for Xmas Prices on

Roses in all varieties, Carnations of the finest quality, Lily of the Valley, Hyacinths, Narcissus, Harrisii Lilies, "Up the Hudson" Violets, and all Winter Stock, selected and in any quantity

JOHN YOUNG, Wholesale Florist,

Long Distance Telephone 646—38th St. 51 W. 28th St., NEW YORK.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.

MOUND CITY CUT FLOWER CO.

Wholesale Commission Florists

1322 PINE ST. ST. LOUIS, MO.

Consignments Solicited.

Special Attention paid to Shipping Orders.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

PETER MACDONALD JAMES MCMANUS

MacDONALD & McMANUS

WHOLESALE FLORISTS.....

'PHONE 2778 38TH ST.

50 West 30th St. NEW YORK.

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET

ST. LOUIS, MO.....

PINE ROSES—Shipped Carefully to all Parts of the Country.

GEO. A. KUHL... PEKIN, ILLS.

Grows 12,000 Rose Plants
Grows 9,000 Carnation "
Grows 4,000 Smilax "

FOR CUT FLOWER TRADE..

WRITE HIM

MEET US AT THE OLD STAN
ALWAYS OPEN

Millang & Co.

Wholesale Commission Florists,

48 W. 29th Street, NEW YORK.

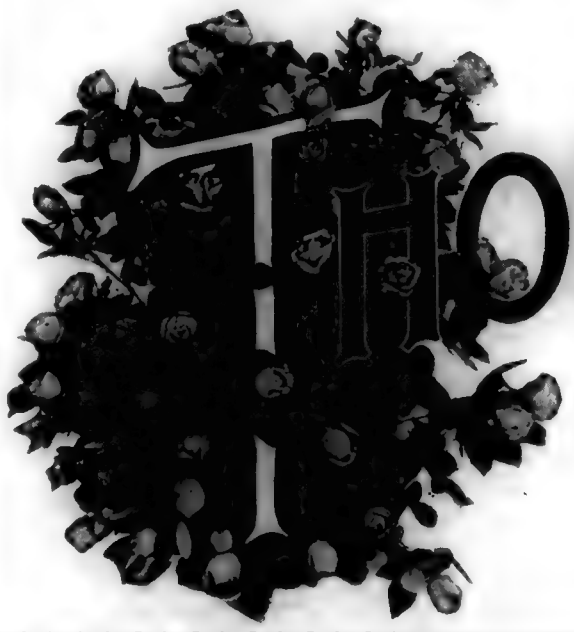
Between Broadway and Sixth Avenue.

CHRISTMAS ---STOCK FOR CHRISTMAS

ESTABLISHED 1879.

ORDER EARLY TO SECURE GOOD SERVICE AND SELECTED STOCK OF THE FOLLOWING

Prime American Beauties, Cattleyas, Roses,
Carnations, Violets, Mignonette, Roman Hyacinths,
Paper White Narcissus, Ferns, Asparagus,
AND ALL STANDARD STOCK.



THOMAS YOUNG, JR.

43 West 28th Street, New York.

AN UNPARALLELED SUBSCRIPTION OFFER.

EVERY one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

Why do we make such an unparalleled offer? It is very simple.

You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

FIRE INSURANCE.

The meeting of the members of the Florists' Fire Association was fixed for December 6. No election was had and the meeting adjourned one week. The principal reason for the postponement was that a number of the persons whom we were instructed to vote for as directors had not filed their applications for insurance. The applications were not sent out until late and are coming in rapidly, but it takes time to round up matters.

As soon as sufficient applications are in, policies will be issued. A misunderstanding has arisen over the requirement that heating pipes shall be properly insulated. The present committee are of the opinion that steam pipes in contact with wood near the boiler when it is very dry are dangerous, but that in the greenhouses or away from the boiler, under ordinary circumstances are not dangerous.

The rate fixed is thought by some to be too high. It is believed by the committee that it is higher than future assessments should be or will be, but it is safer to start too high than too low, and all will benefit by it in the future if too high.

W. J. Vesey.

EACH WON AND YET LOST.

They both had stores in the same street.
And not infrequently they'd meet,
But as they passed they never spoke,
And each one wished the other broke.

The wish is father to the act they say,
And one day there was Cain to pay,
For in one window glared a sign,
"Ten cents a dozen for roses fine."

It didn't take the other long
To sing the next verse of the song.
A nickel a doz. was the price he set,
Announced in letters black as jet.

And so it went from day to day
'Till roses were cheaper than I dare to say,
And the earnings of years had gone up in smoke,
But each got his wish—the other was broke.

OUR GENERAL INTRODUCTION.

Send in your photographs, writing your name and address on the back, but please do not send any that must be returned. We have to cut them to arrange in the groups, and cannot use photos that must be returned uninjured.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

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GERANIUMS mixed, from 2-in. pots, $2.25 per 100; $20 per 1,000. Send for samples...
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"EVELINA"

has had many visitors who were delighted with her presence, and were so well pleased at her cheerful disposition and behavior that a second audience was requested.

She takes this opportunity of extending a most hearty invitation to all interested in her species to call upon her while in her city, and will be pleased to return the call at an early date, whenever an invitation is extended.

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Is a pure white, of large size, good form and substance. An extraordinary strong Calyx, is fragrant, and borne on long stiff stems that always carry the bloom erect. It is a free, early, and continuous bloomer, is of good habit; a strong, free and healthy grower; last year quite a few plants produced from 30 to 50 flowers by the first of January. She won the Ward cup for best Commercial White at the Cincinnati meeting of the American Carnation Society; also a certificate of merit at the Indianapolis and St. Louis Chrysanthemum shows.

Have already booked orders for over 7,000 for Cincinnati alone, which proves the popularity of this sterling variety. You will make no mistake in giving it a trial. Orders filled strictly in rotation. Price: Strong well rooted cuttings, $10.00 per 100; $45.00 per 500; $80.00 per 1,000. Cash, or satisfactory reference, please.

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to offer the following season in 55 of the latest and best mammoth named vars. in cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all parts of U. S. and Canada, at 60c per 100; $5.50 per 1000; 5000 for $25; 10,000 for $45; 25,000 for $100. Express prepaid.

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C. HUMFELD, Clay Center, Kan.
Dear Sir:—The rooted cuttings of Verbenas I sent for came to hand all right, and I am delighted with them, they are so nicely rooted. I shall patronize you in the future when I want nice verbenas. Many thanks for extras. Respectfully,
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CASH PLEASE. **C. HUMFELD, Clay Center, Kan.**

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Lily of the Valley, **Berlin**.....per case 2,500, $23.50
$10.00 per 1,000.
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$9.00 per 1,000.
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$7.00 per 1,000.
Narcissus, **Chinese Sacred**..per case 300 bulbs, $10.00
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Narcissus, **Double Von Sion,** selected bulbs, $10.00 per 1,000. $1.50 per 100.
Will close out surplus of Dutch Bulbs below cost. Send for list.

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A. Guttata, 3½-inch.....doz., 40c.; $3.00 per 100
Feasti, and four other kinds, 40c per dozen; $3.00 per 100.

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TORONTO.

The regular monthly meeting of the Horticultural Society was fairly well attended on Tuesday last. The paper, "Seasonable House Decoration," read by Mr. McP. Ross, was very interesting and instructive and evoked a good deal of discussion, but I notice that in many instances the amateurs seem afraid to talk and ask questions before so many gardeners and florists—afraid they should "put their foot in it," I suppose. This is a pity, because the gardeners and florists would only be too glad to hear them and answer them. Besides this questioning and answering helps to keep one's mental faculties bright and revives memories of things forgotten. It is good for both parties be the question ever so simple.

The advisability of giving plants to the public school children, to be grown by them for competition at the annual show, was also discussed at length, and it was the general opinion that something might be done in this line to the advantage of the show and to horticulture generally. A scheme will probably be drawn up by the society and the G. and F. Association jointly early next year, meanwhile the school authorities will be interviewed and other points picked up. With good management this would certainly be an efficient way of advertising the show all over the city and would make a ten-cent Saturday in all likelihood beat the record, besides doing a great deal of good in other ways.

Prospects for a very large trade during the Xmas holidays are exceedingly good. The season so far has been altogether better than we have experienced for a long time. May it keep on improving.

Mr. C. Tidy did some elaborate decorating for the Toronto Club ball last night, at which all the élite were present. The round of gaiety owing to the vice-regal presence in the city still continues. E.

A Misplaced Simile.

I to the florist one day went
And ordered quite a lot of roses
And to my love I had them sent
With verses like a swain composes.

Her cheek was to the rose compared
(I'm quite a clever fellow)
But none of this the florist knew—
The rose he sent was yellow.

The Cornell Widow.

Ficus Elastica

$25.00 FOR 100 FEET.

Young Plants, top cuttings, in 3-inch pots, three to six leaves, **$15.00 per 100.**

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Canestakes

Ten to twelve feet, at **$3.00** per 1,000; **$25.00** per 10,000.

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New Light Colored

CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

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Chrysanthemum Pennsylvania

The finest Chrysanthemum for cut blooms or exhibition ever introduced.

Each	50c	**Per Hundred**	$ 35.00
Per Dozen	$5.00	**Per Thousand**	250.00

Fifty at one hundred, and five hundred at one thousand rates.

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Bright scarlet and Positively RUST PROOF. It is as prolific as Wm. Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years. Our stock also includes all the novelties of '97 and '98. Send for prices.

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The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

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Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

Carnations

New Carnations.

White Cloud. An excellent commercial white, strong, vigorous habit, large fragrant flower, long, strong stem, early and constant bloomer. A. C. S. certificate.

Gold Nugget. Conceded the best yellow ever grown, color clear and deep, only slightly marked with red. Large flower, strong stems and vigorous habit. Early and continuous bloomer. Missed A. C. S. certificate by one point for lack of fragrance.

New York (Ward). Bright cerise pink, strong vigorous habit, constant bloomer. Certificate.

Mrs. James Dean (Ward). Clear silvery pink, strong vigorous habit large flower, constant bloomer. Certificate.

John Young (Ward). White deeply fringed fragrant flowers, strong grower, free bloomer. A first class commercial variety.

Bon Ton (Ward). Bright warm scarlet, strong habit resembling Portia, large flower, stiff stem.

Prices for above varieties: $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We have all the principal 1897 Novelties and other standard varieties at lowest prices

New Chrysanthemums.

Mrs. C. H. Peirce. A soft deep yellow of greatest commercial value. Large flower of globular form, with straight petals slightly curved at tip. Full to center and of greatest substance, good stem and heavy foliage. Recommended for certificate by N. C. S., scoring commercial scale: Boston 91, Philadelphia 90, Cincinnati 87, Chicago 90.
35c each; $3.50 per doz.; $25.00 per 100.

Snow Queen. A commercial white. Large, nicely finished rounded flower, full to center, good substance, stem and foliage. N. C. S. certificate. 50c each; $5.00 per doz.; $35.00 per 100.

Merry Christmas. The best and latest of all whites. A well formed flower of style of Mutual Friend but of much greater substance, and full to center. Dec. 20th to Jan. 1st.
35c each; $3.50 per doz.; $25.00 per 100.

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READY JANUARY, 1898.

F. DORNER & SONS CO., La Fayette, Ind.

DREER'S RELIABLE FLOWER SEEDS

NEW CROP NOW READY

We keep the Best of Everything. Get a Catalogue, free.
Here are a few items for immediate sowing:

Alyssum, Little Gem, trade pkt., 10c. Per oz., 30c.
Cyclamen Per. Giganteum, $1.00 per 100 seeds. $8.00 per 1,000.

Dracæna Australis	trade pkt.,	30c.	Per oz.,	$1.50
Dracæna Indivisa	"	15c.	"	.40
Dracæna Indivisa Lineata	"	20c.	"	.75
Lobelia, Crystal Palace Compacta	"	40c.	"	2.00
Mignonette, Allan's Defiance	"	25c.	"	1.00
Mignonette, Machet—select	"	15c.	"	.50
Salvia Bonfire (Clara Bedman)	"	50c.	"	2.50
Verbena, Dreer's Mammoth	"	40c.	"	1.75
Vinca, Rosea mixed, etc., etc	"	20c.	"	.75



HENRY A. DREER, 714 Chestnut St., PHILADELPHIA.

Make the work of ventilating easy if you want it done properly and attended to as frequently as it should be. The Evans' Challenge Ventilating Apparatus meets this requirement to the fullest degree. Quaker City Machine Co., Richmond, Ind.

FIRST-CLASS STOCK!!

NONE BETTER ON THE MARKET.

Rooted cuttings of Geraniums, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Carnations, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Forget-Me-Not and Begonia Argentea Guttata, $2.00 per 100. Cyclamen Giganteum, 3-in., $5.00 per 100. Cut blooms of Carnations, $2.00 per 100. Write for quotations on Young Roses, Geraniums, Coleus, Alternantheras, and any bedding stock you may need for spring delivery.
PRICES WILL SURPRISE YOU.

GEO. M. EMMANS, Newton, N. J.

VERBENA

IMPROVED MAMMOTH.

New crop seed of this magnificent strain. Highly improved, of the very largest size of flowers and finest colors. The finest mixture in cultivation.
Per trade pkt., 25 cts.; 3 pkts., 60 cts.; 6 pkts., $1.00.
A pkt. of the new compact dwarf Alyssum added to every order.

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DELAWARE HOLLY, guaranteed to be solidly packed, foliage perfect, dark green and well berried. Price per case, $5.00; per 2 cases, $9.00.
BOUQUET GREEN, $6.50 per 100 lbs.

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OUR SPECIALTY, CUT

Cattleyas.....
Dendrobiums.
Oncidiums.....
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Etc., Etc.

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Vandas.....
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Our stock of Palms has never before been so complete at this season of the year as now, forty of our largest houses being filled with stock, from little seedlings up to specimens 10 ft. high. Our stock of Kentias, that best of all Palms, is especially fine. Of these we are carrying the largest stock and best assortment of sizes to be found in any one establishment in the world.

KENTIA BELMOREANA.

2¼-inch pots,		3	leaves,	6 to 8	in. high	$ 2.00	per doz.	$15.00	per 100
3	"	"	4 to 5	"	10 to 12	"	3.00	"	25.00	"
4	"	"	5 to 6	"	15 to 18	"	6.00	"	50.00	"
6	"	"	6	"	22 to 24	"	1.35	each		
6	"	"	6	"	24 to 30	"	1.75	"		
6	"	"	6	"	30	"	2.00	"		
7	"	"	6 to 7	"	32 to 36	"	2.25	"		
8	"	"	6 to 7	"	36	"	3.00	"		
8	"	"	6 to 7	"	36 to 42	"	4.00	"		
8	"	"	7	"	42 to 48	"	5.00	"		
9	"	"	6 to 7	"	48 to 54	"	7.50	"		
10	"	"	6 to 7	"	54	"	10.00	"		
12	"	"	7 to 8	"	7 feet	"	35.00	"		
16	"	tubs	8 to 9	"	9 "	"	75.00	"		

BUSHY MADE UP PLANTS.

6-inch pots,		24 to 28	inches high,	4	plants in a pot			$ 1.50	each	
7	"	"	30	"	"	4	"	"	"	3.50	"
9	"	"	36	"	"	4	"	"	"	5.00	"
9	"	"	48	"	"	4	"	"	"	10.00	"

KENTIA FORSTERIANA.

2¼-inch pots,		2 to 3	leaves,	6	in. high	$ 1.50	per doz.	$12.00	per 100	
3	"	"	3 to 4	"	12	"	2.50	"	20 00	"
4	"	"	4 to 5	"	15 to 18	"	5.00	"	40.00	"
6	"	"	6	"	30 to 36	"	1.50	each		
7	"	"	6	"	36	"	2 00	"		
8	"	"	6	"	42	"	3.50	"		
9	"	"	6	"	48	"	6.00	"		
9	"	"	6	"	52	"	7.50	"		
10	"	"	6	"	60	"	10.00	"		
13	"	tubs	7	"	6 feet high		25.00	"		
12	"	pots	7	"	6 " "		35.00	"		
14	"	tubs	7	"	7 to 8 " "		35.00	"		
16	"	tubs	7	"	10 " "		75.00	"		

BUSHY MADE UP PLANTS.

8-inch pots,		3	plants in a pot,	36 to 42	inches high			$ 3.50	each	
10	"	"	4	"	"	5	feet high		10.00	"
12	"	"	5	"	"	6	" high		25.00	"

ARECA LUTESCENS.

2-inch pots. $1.00 per doz., $6.00 per 100, $50.00 per 1000.										
3	"	pots,	2 plants in a pot,	12 to 15	in. high	$1.25	per doz.	$10.00	per 100	
5	"	"		20 to 24	"	6.00	"			
6	"	"	very bushy	28 to 30	"	1.00	each			
7	"	"	" "	32 to 36	"	1.50	"			
8	"	"	" "	36 to 42	"	2.50	"			
8	"	"	" "	42 to 48	"	3.00	"			
9	"	"	heavy single plants	4 to 5	feet	5.00 to 6.00	each			

LATANIA BORBONICA.

2-inch pots,		3 to 4	leaves	60 cts.	per doz.,	$ 4.00	per 100,	$35.00	per 1000	
3	"	"	4 to 5	"	$1.25	"	10.00	"	80.00	"
4	"	"	4 to 5	"	3.00	"	25.00	"		
5	"	"	5 to 6	"	18 to 20	in. high			$ 5.00	per doz
6	"	"	5 to 6	"	18 to 24	"			9.00	"
7	"	"	6	"	24	"			12.00	"
7	"	"	6 to 7	"	26 to 30	"			15.00	"
8	"	"	7	"	36	"			30.00	"

COCOS WEDELIANA.

3-inch pots,		8 to 10	inches high			$2.50	per doz.,	$20.00	per 100	
3	"	"	10 to 12	"	"	3.00	"	25.00	"	
4	"	"	15	"	"	5.00	"	40.00	"	
8	"	"	36 to 42	"	"	6.00	each			

PHŒNIX CANARIENSIS.

8-inch pots,		30	inches high,	bushy				$1.75	each	
9	"	"	36	"	"	"		2.50	"	
9	"	"	36 to 42	"	"	"		4.00	"	

LAURUS NOBILIS.—BAYS.

Standard Shaped.

9-inch pots,		5 ft.	high,	crowns 15	inches in	diameter		$ 2.50	each	
In tubs,		6	"	"	3 ft.	"	"	10.00	"	
"		6½	"	"	3½ ft.	"	"	12.00	"	
"		6½	"	"	3¾ ft.	"	"	15.00	"	
"		7	"	"	5 ft.	"	"	40.00	"	

PYRAMIDAL SHAPED.

In tubs,		7 ft.	high,	32	inches in	diameter	at base	$10.00	each	
"		8	"	36	"	"	"	12.00	"	
"		8	"	40	"	"	"	15.00	"	

TAPERING OR CONICAL SHAPED.

9 ft.	high,	36	in.	diameter	at base,	rounded	top	12	in.	diameter	$25.00	each
8 "		54	"	"	"	"	"	30	"	"	40.00	"

PYRAMIDAL SHAPED BOX.

32 to 36 inches high, 15 inches diameter at base.....$2.50 each

STANDARD SHAPED BOX.

26 to 28 inches high with crowns 12 inches in diameter.....$1.00 each

ARAUCARIA EXCELSA.

4-inch pots,		6 to 8	inches high,	2 to 3	tiers			60	cts.	each
5 "	"	12 to 14	"	"	3	"		$1.25	"	
"	"	24 to 30	"	"	5	"		2.00	"	

ARAUCARIA EXCELSA GLAUCA.

5-inch pots,		10	inches high,	3	tiers			$1.25	eac	
7 "	"	18 to 20	"	"	4	"		2.50	"	

ARAUCARIA ROBUSTA COMPACTA.

It is seldom that we are in a position to offer this beautiful dwar variety in quantity, the stock we offer is very fine.

5-inch pots,		2	tiers,	8	inches	high,		$1.35	each	
6 "	"	3	"	10	"	"		1.50	"	

ADIANTUM FARLEYENSE.

3-inch pots,		fine	plants					$ 3.00	per doz.,	$20.00	per 100
4 "	"	"	"					5.00	"	40.00	"
5 "	"	"	"					9.00	"	70.00	"
6 "	"	"	"					12.00	"	90.00	"

CIBOTIUM SCHIEDEI.

The most graceful and hardiest of all the Tree-Ferns. A variety that will stand the same treatment as a Palm and a most decorative plant in every way. We offer beautiful specimens, 6-inch pots, $1.50 each; 7-inch pots, $2.50 each; 8-inch pots $3.50 each.

DRACÆNA BRUANTI.

A variety that is but little known, dark green foliage, graceful and as tough as a Rubber-plant; just the thing for retailing at Xmas.

4-inch pots,		10	inches high					30	cents each	$3.00	per doz
5 "	"	18	"	"				50	" "	5.00	"

For a full line Decorative Plants and General Florists' stock, see our QUARTERLY WHOLESALE LIST of September 1st. If you have no copy of this or of our SPECIAL DECEMBER LIST of NEW CROP FLOWER SEEDS, which have been mailed to every Florist in the country, a postal card will bring duplicates.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

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Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on..... ...

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

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Cut Strings, 8 to 10 Feet Long 50 cts. Each.
Shipped to any Part of the Country.


Galax Leaf.
Much reduced.

PLACE HOLIDAY ORDERS
FOR KELSEY'S BRILLIANT
Green and Bronze Galax Leaves and Leucothoe Sprays now
Finest Leaves and Packing. and avoid the coming rush. Prices:

GALAX—large or small, either color—per 1,000, $1.00; 5,000 lots at 75c.
LEUCOTHOE SPRAYS—per 100, 75c.; per 1,000, $6.00.
Wholesalers supplied at very special rates.
I am packing Original Assorted Cases for Florists as follows:
Case A. 5,000 Galax, assorted sizes and colors, for $3.75.
Case B. Same as Case A and 200 Leucothoe Sprays additional, for $5.00.
Case C. 10,000 Galax, assorted sizes and colors, $7.50.
TERMS, CASH
Shipments from Boston or North Carolina.....
Give explicit shipping directions, otherwise I use best judgment. **Telegraph orders save time.** Order one or more cases as above; or in very large cases. Galax by thousands, color and size; Leucothoe Sprays by hundreds or thousands. Samples and full information free.
Address all communications to the INTRODUCER,
HARLAN P. KELSEY, 1123 Tremont Building, Boston, Mass.

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New Geranium Mme. Bruant
I am able to now furnish this wonderful distinct variety by the hundred and thousand. No Florist can be without this variety, being certainly the finest plant novelty of the year. A large well rooted stock ready now. Shipped to any part of the Union by mail or express, prepaid, 75c per doz.; $3.00 per 100; $25.00 per 1000. Cash with order. Order at once, no better stock can be had. Address
FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

One sale makes two other sales. A trial of our apparatus will make you a customer for all the apparatus you may ever need. We want you to give it that trial—the apparatus will do the rest. Quaker City Machine Co., Richmond, Ind.

Tree and Shrub Seeds
Seedlings, Etc. Magnolia and Calycanthus seed a specialty. Write for Price List.....
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CAGLE.....Sequatchie Co.....TENN.

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Five of our Twelve Blooms in the International Contest at Chicago, which were awarded the capital prize, were varieties originating with us.

Our Collections of new varieties for 1898 will be few in number but great in quality. Descriptions and prices will be announced later.

Stock Plants we have in large variety and will be pleased to quote prices on receipt of list wanted.

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..MARS..
2-inch pots, $1.00 per doz.
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ROCHESTER, N. Y.

Trade Conditions.

Moderate and mostly very pleasant weather since Thanksgiving had a beneficial influence on the general trade, though we cannot boast of very prosperous times for the present season. No special big event occurred this fall so far; a few weddings and receptions were well divided among the different firms, none being very elaborate or high priced. As everybody's chrysanthemums are now all used up, other stock has advanced slightly above former prices, and more of it is used, but the present supply is not adequate to meet the demand. Roses are only fairly good here. Carnations are the only article which may be called plentiful, but none are wasted. Violets are still very scarce, the month of December having always been noted here for a deficiency in this respect. Harrisii are in, so are good Romans and paper whites in quantity. Valleys are not so good as they might be, but as not too many are offered, all go off readily.

That Visit of "W. S."

Mr. W. S., in his report of two weeks ago, good naturedly called our city, "flour (not flower) city," and I do not know but he is perfectly right this time, for we are in reality very short of posies of all kinds this winter, and apparently have no earthly right to assume such a boasting appellation, in winter at least; but pay us a visit in summer, and behold the out-door display then everywhere, and especially on the acres in Greece where the flower seeds are grown, and where dahlias, gladiolus and tuberoses, et cetera, can be cut by the wagon load, then our friend S. may decide whether we are entitled to that name at least for a few months in the year. We were exceedingly sorry that Mr. S. could not find time to call on us on the hill, or was he scared by the torn-up street a little distance from our place?

Retailers Keep Busy.

Much hard and steady work is being done now daily by all the retailers; not only are they busy decorating their stores and preparing plants for the prospective holiday trade, but a great number of holly and lycopodium wreaths have to be made up for the occasion, and every spare moment is utilized to increase the stock in this line. The first shipment of holly is fairly good, but the warm weather has a bad effect on its keeping quality, and trouble is expected. K.

GOLD FISH

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Medium to large size, $10.00 per 100. Cash with order. No charge for shipping cans.

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Full Line of Aquaria Supplies.

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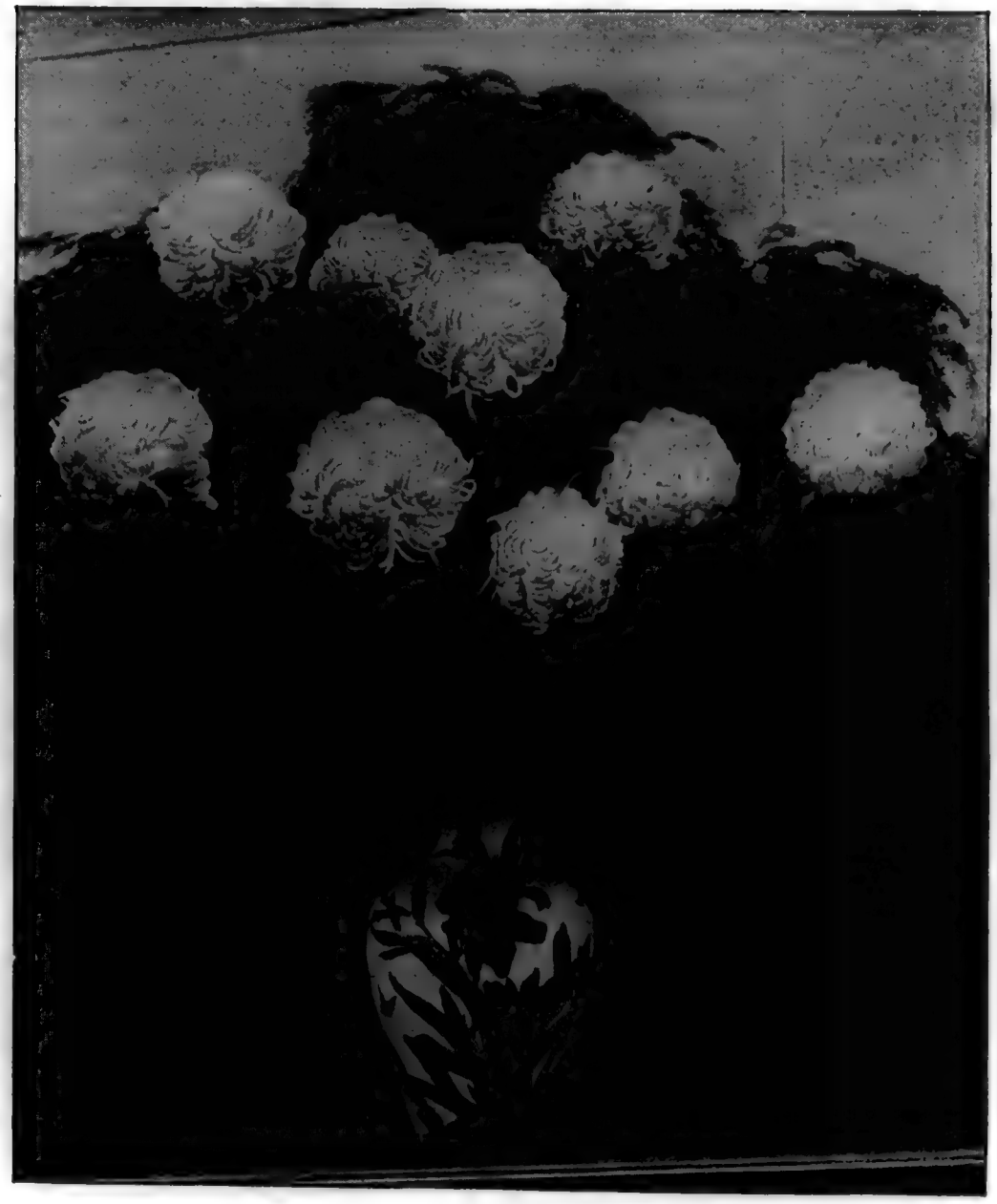
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BALTIMORE.

Everybody Busy Except the Florist.

The spirit of Christmas seems to pervade nearly all other lines of business but that of our own. Clear and mild weather has had the effect of bringing out a miscellaneous throng of shoppers who daily fill the thoroughfares and lend an invigorating air of business to the crowded stores. The fakirs, beggars, and even the police are busy; but with the florist—poor, deserving dispensers of nature's ever beautiful Flora, this holiday boom is yet an expected guest, and as a prelude to this "rush" things have now relapsed into a semi-dormant condition.

Social events, such as banquets, germans, teas, receptions, etc., have all been more or less represented this week and in a measure atoned for this otherwise unseasonable dullness. The windows have never looked prettier any time this season than they do now. Choice roses of all kinds, mignonette, Harrisiis, orchids, violets, valley, hyacinths, narcissus and in fact every available novelty is being tastefully displayed to catch the public's blind yet critical eye. Holly has been in for several weeks, and bids fair this season to be a popular decorative fad.

Advance Christmas Orders.

It is really too early to write intelligently upon the subject of Christmas trade, yet from the reports from our commission houses stock will be scarce and prices high. They have already booked in advance a number of large orders which in a measure go to prove that the retailers are living in anticipation of great results. No one can ever tell though, as the people either regard flowers as an after consideration, or else think a florist's order-book is as unstable and perishable as his goods, for they nearly always put off ordering until the last day or so. Those who cater to the market trade are of late complaining very much. Sales have fallen off considerably, for money is scarce and the buyers are of the cheaper class. In consequence of this, a "cut-price war" among the stall-holders has been the result; some even going so far as to sell at only twenty per cent profit, which not only does them more harm than good, but causes a demoralizing effect upon the trade of their competitors who remain staunch, and hold out for legitimate prices.

Meeting of Gardeners' Club December 13th.

We are anxiously awaiting the arrival of our Washington guests, who are to attend the Gardeners' Club meeting of the 13th inst. Thanks to the courtesy of their correspondent, the object of this delegation, was explained in the last issue of the Florists' Review. The Baltimore boys have always been fast friends, and in sympathy with our forty-mile neighbors. The writer feels confident that this occasion will prove no exception to the rule, and that their cause will receive our entire and hearty support.

C. F. F.

READY NOW. Japan. Lily. Bulbs
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To close out surplus stock we offer for IMMEDIATE ACCEPTANCE

PALMS..... RHAPIS FLABELLIFORMIS
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NO RUST OR MILDEW. PACKED LIGHT AND..... SATISFACTION GUARANTEED.
We are the Largest Growers of Verbenas in the country. Our plants cannot be surpassed.
Send for Circular. J. L. DILLON, BLOOMSBURG, PA.

GOOD STOCK.
Dracæna Indivisa, 6-in , 20 to 24-in. high, $18 per 100.
" " 4½-in., 18 to 20 in. high, strong, $10 pr 100
Pteris Tremula, 6-in., strong, $20 per 100.
Assorted Ferns, 5 and 6-in., fine, $2 per dozen.
Pandanus Utilis, 3-in., strong, $7 per 100.
Ficus Elastica, 5-in., 15 to 18 in. high, $45 per 100.
" " 5-in., 18 to 24 in. high, $70 per 100.
Adiantum Cuneatum, 3-in., $6 per 100.
Grevillea Robusta, 3 and 4-in., $6 per 100.
Otaheite Oranges, 4-in., 4 to 10 fruits, $3.50 per dozen.
Carnations, Flora Hill, rooted cuttings, $5 per 100.
Geranium, Mme. Bruant, 2½-in., $4 per 100.
" S. A. Nutt, 2½-in., $3 per 100.
" LaFavorite, 2½-in., $3 per 100.
" S. A. Nutt, rooted cuttings, $20 per 1,000.
" Mme. Salleroi, 2-in., $2 per 100.
Geraniums, standard varieties, 2½-inch pots, $25.00 per 1,000.
Rose Geraniums, 2½-in., $3 per 100.
Chrysanthemums, standard varieties, bench or pot stock plants, $1 per dozen.
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Jadoo Fibre and Jadoo Liquid

As well as plants grown in them have been awarded prizes as follows:

National Chrysanthemum Society, London, England, Nov., 1895.
Devon and Exeter Horticultural Society.
Torquay Horticultural Society.
Liverpool Horticultural Society.
Royal Aquarium, Westminster, London.
New Orleans Horticultural Society, Nov., 1896, 11 Firsts and 3 Second Prizes.
Exeter Horticultural Society, April, 1897.
Bordeaux Agricultural College, June, 1897.
Providence, Society of American Florists, August, 1897. (Honorable mention and recommendation for trial.)
The Monmouth County Horticultural Society, Sept., 1897. First Prize for 6 Specimen Crotons; First Prize for Best Centre Piece for Table; First Prize for 6 Specimen Plants of Dracaenas; Special Certificate of Merit for 6 Phrynium Variegatum; Special Certificate of Merit for Rustic Work with plants grown in Jadoo Fibre.
Society of Vine Culture, Cognac, France, Sept., 1897.
Durban and Coast Agricultural Society, South Africa, Sept., 1897.
Pennsylvania Horticultural Society, Philadelphia, Nov. 1897. 8 First Prizes for Chrysanthemums; 1 Second Prize for Chrysanthemums; 2 Prizes for Crotons; 1 First Prize for Asparagus Sprengerii; 1 Second Prize for Asparagus Sprengerii; 1 Special Prize for Dracaenas; 1 Prize for Window Box filled with Ornamental Foliage Plants.
Bordeaux, France, Nov., 1897. Silver Medal for Chrysanthemums.
Birmingham, England (Bingley Hall), Nov., 1897. Special Certificate of Merit for Jadoo Fibre and Liquid and First Prize for Cyclamens.

From the Pennrock Co., Wilmington, Del., winners of the largest Prize at the Exhibition of Pennsylvania Horticultural Society, Nov., 1897

"In regard to your inquiry about Jadoo Liquid and Fibre we beg to state that we have used it this last season with good results. We grew our Exhibition plants of Chrysanthemums, which took first prize at the Pennsylvania Show, **in soil up to ten-inch pots. In those sized pots the plants became very sick and all the leaves turned yellow. We then shifted them into Jadoo Fibre and the result was simply wonderful. The plants quickly regained lost vigor and the leaves gradually assumed their natural green color. On becoming pot bound we used the Liquid twice a week and this was all the fertilizer we used. We have had excellent results also with Asparagus Sprengerii, Crotons and large Ferns grown in the Fibre and shall use it more extensively hereafter."**

We will offer Cash Premiums at all Exhibitions in 1898 for all Plants that are grown in "JADOO FIBRE" or that are watered with "JADOO LIQUID," that win scheduled FIRST PRIZES.

FOR PRICES AND FURTHER INFORMATION ADDRESS

The American Jadoo Co.,

817 FAIRMOUNT AVE., PHILADELPHIA, PA.

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JADOO.

We hear additional reports of the effectiveness of Jadoo, and it appears that the Jadoo liquid can be used on plants growing in earth with almost as good effect as if the plants were growing in the fibre. A gallon of the liquid is diluted with water to make forty-eight gallons and used as any other liquid fertilizer would be.

The advantage of the fibre is, it seems, in enabling the grower to produce a larger plant in a small pot than where soil is used. This latter point will undoubtedly make the fibre very useful for growing plants to be used in table decorations and other places where a small pot is desirable. It should also prove very valuable for filling ferneries, window boxes, hanging baskets, etc., as the fibre absorbs and holds water much better than soil. Let us hope that the problem of successfully meeting the unfavorable conditions to which the average house plant is subjected has been solved. If it has, many a poor florist will be exceedingly thankful and will look forward with less trepidation to the return visit of a customer who has recently invested in a fernery or other plant arrangement.

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Nothing Flimsy or Complicated about it.

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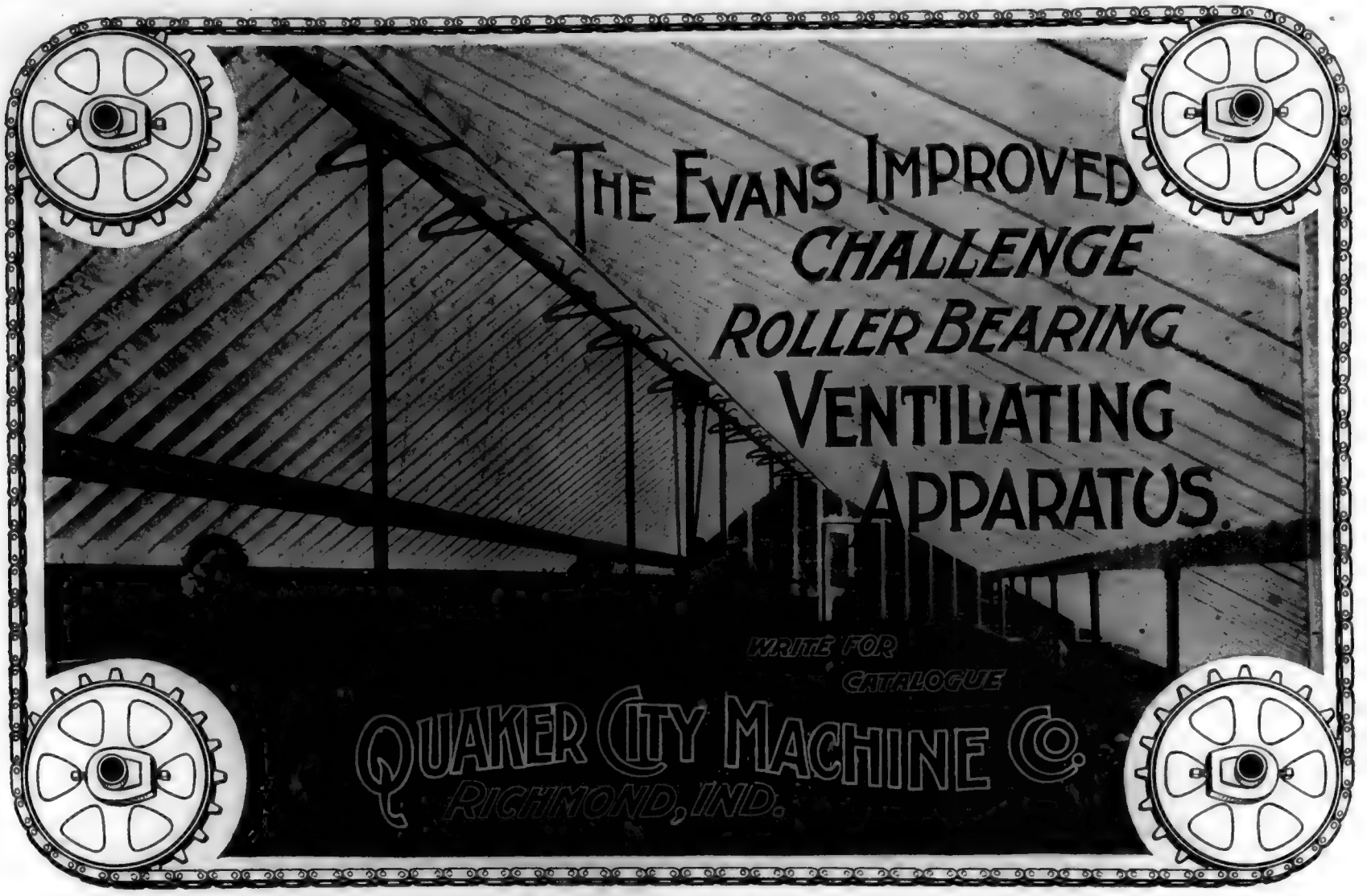
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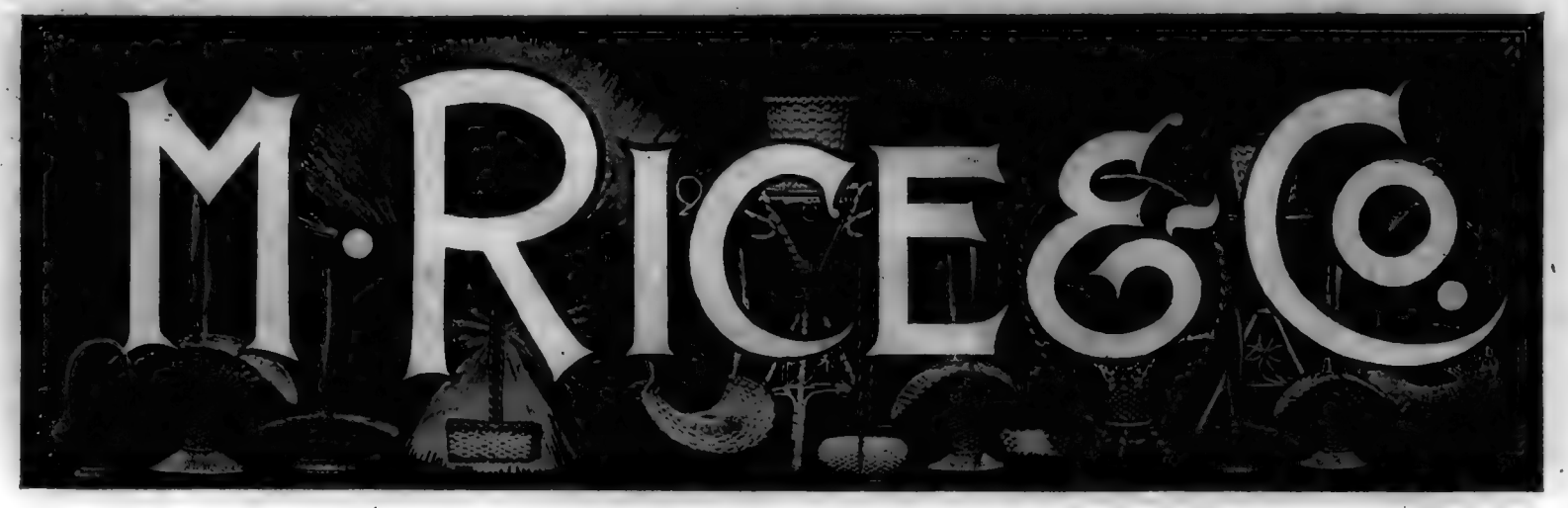
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THE WEEKLY
FLORISTS' REVIEW

Vol. 1. CHICAGO AND NEW YORK, DECEMBER 23, 1897. No. 4.

PACKING AS A FINE ART.

The old adage used to be, "First catch your hare, then cook him;" the new one applicable to my article is, "First get your order, then pack it," and when I say pack it, I mean pack it properly. One of the most essential points after receiving an order is to see that the above new adage is carried out, not extravagantly, as I have seen some shipments, but carefully and judiciously. For instance, a basket or case of plants going fifteen or twenty miles away, does not require the elaborate packing of a shipment across the continent or across the ocean. Many a kick has been registered about bad packing, and it exhibits the character of a firm whether the arrival of a shipment of plants is good, bad or indifferent. An order for goods, properly filled, is often spoiled by bad or careless packing; and good packing is as necessary as good stock.

A good packer, like the poet, is "born, not made," and is, indeed, worthy of his hire. Until within a few years a regular packing staff was rather the exception than the rule; now it is a necessary adjunct to all firms doing or contemplating a shipping business, more specially applied to palm and fern growers, which are daily increasing in number, and are scattered over the States of the Union. The time for "any old way," and "any old thing" to pack in, is, I hope, relegated to the past. In future set aside a part of your establishment for a packing "room" or "shed," whichever you like.

One patterned after our illustration will give a fair idea. That it should be roomy goes without saying, and no convenience or labor-saving device should be omitted. A pair of scales will facilitate matters at the express office or freight depot, and will be a check on both. Mark the weight of each case upon it before it leaves the place, and see that every detail of address and shipping instructions are marked also, clearly and distinctly.

As to material, such as boxes, lumber, excelsior, nails, string, paper, etc., the location will determine the price; get price and buy in quantity; don't buy in "dribbles."

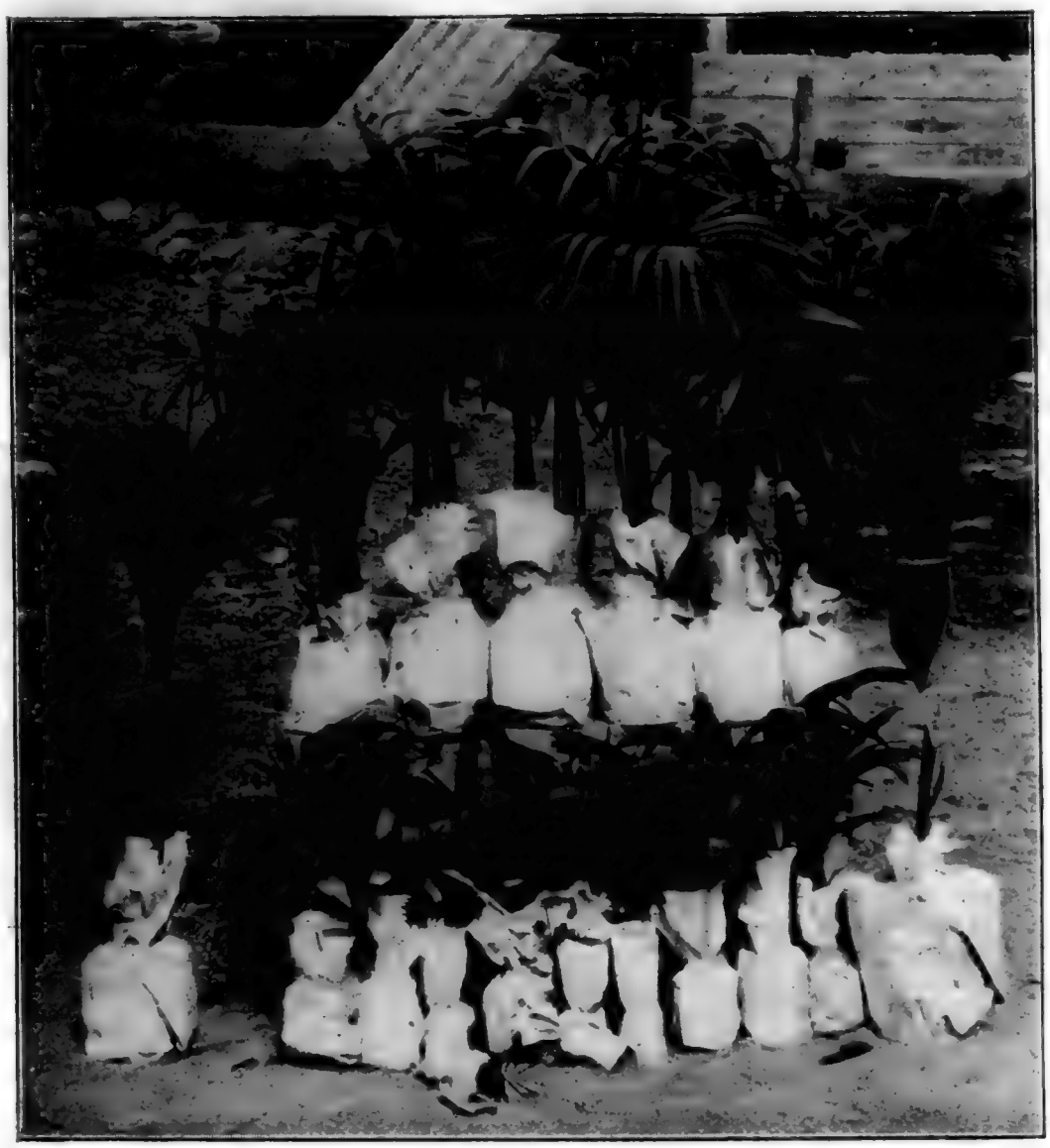


Illustration No. 1. System used for packing plants "out of pots," either for "upright" or "slatted" systems.

Different seasons of the year determine different methods, though the principle remains the same. In my article I shall try to confine myself to fall and winter packing; thoroughness is the key-note of all. The two principal systems I will call "slatted" and "upright" packing, describing the former first.

In picking out your order, which do personally if you can, place yourself in the "buyer's" position, and select only the best every time; the "smaller" stock



Illustration No. 2. System used for packing plants in pots when slatted system is used.

will be "ready" for the next customer. Some stock you can pick out as they come, and some must be selected; like orchids and specimen palms. Perfect plants are what your customer wants. His customers are critical, and he must necessarily be so also. Start your orders on the left side of the left bench, and work down. When I was an apprentice my employer used to drill it into me to start from the left; it was the right way, he said. When you write or walk you start left, and the sun goes down from left to right; plants set on benches should always be started that way. Orders should be separated by boards, and a slip or tag with purchaser's name attached.

Your order is now on the bench, and your order will read "in" or "out of pots." If "out of pots," set your men to work knocking out and wrapping, taking off the "shoulders" of the "ball." If the weather is fairly mild, wrap the ball and tie as in illustration No. 1. If cold, use paper for wrapping (whether the weather is freezing or otherwise, determining the thickness), as in illustration No. 2. The excelsior seen in this illustration is used when plants are packed in pots. Some firms use it either way, but it seems unnecessary to me.

Your order being ready to "box up," you place your plants in rows. We will say they are 6-inch pots, and you are going to "slat" them in (see illustration No. 3.) If "out of pots," and they have been reduced, put seven in a row; this will give your box inside a measurement of three feet. Next, take the height of your plants; if three feet high, and you want to make two layers each end, a box five feet long will do; 112 such plants would require a depth of two feet. This is but an example, and when mixed sizes are packed more computation is necessary; but it "comes easy" when you become expert, and an experienced man can tell at a glance what size box is required.

Your plants measured and your box selected or made, you line it according to weather. Don't stint. Old newspaper, bought by the ton, is very cheap, and a few extra sheets will save you a big kick, and maybe a "replace," or your customer. The slats, 1 x 2, or heavier if necessary, should be sawn into lengths, and used as in illustrations 3 and 4. Pack tight; do not leave any room to slip or budge. Drive your nails in three-fourths way first, then, with your helper, hammer in both sides at once; this seems unreasonable, but is necessary, as experience will teach you. Close in your paper, and put on lid, and mark immediately, or possibly you may forget whose order it is. This is the slatted system, which can be enlarged on with small ferns and small palms, etc., by making four distinct sets of layers, "slatted" as in the foregoing.

The "upright" system, as seen in illustration 5, is simpler, and is better for short distances perhaps. Many freight agents will not, however, take this under the "twenty per cent less" clause applied to plants "properly boxed and closed," though, when finished, it appears as in illustration 6. This box contains twelve Adiantum Farleyense, 7-inch pots, "in pots." When plants are shipped in pots the measurement should be increased, good allowance being made for the excelsior packing. A slat between each row above the box will hold them in place. This box should be at least 36x28 inches inside measurement. A fair amount of room should be given; this will save your pots, or they will be broken in transit. A slight scantling should be used as seen to protect tops. Handles to your boxes will also insure better treatment from the expressmen, and will counteract a little of the "dumping" and "somersaulting" of our mutual enemy, though he is not so bad as painted.

In packing palms this way you can do a little "piling," if done judiciously.



Illustration No. 3. System of "slatted" packing, first layer.

However, a volume might be written on this one subject. Experience is the best teacher, and exercise of good common horse sense leads to success. H. A. B.

BUILDING AND HEATING.

At this season of the year, many florists are planning for the enlargement of their greenhouse ranges, and some are making preparations for leaving the service of others and branching out into a business for themselves, and it is to such that I would address a few words of caution and suggestion.

How often, in our travels, do we see nice appearing ranges of glass, which, when we look into their arrangement relative to convenience, general adaptability, and labor-saving possibilities, are found to be sadly deficient in these important requirements; or, perhaps we visit ranges which may boast of some of these advantages, yet in their general details of construction are so defective as to be injurious to the buildings themselves, or to the plants to be grown therein. These conditions should not, and need not be; the cause being the giving of too



Illustration No. 4. Finished for boxing up.

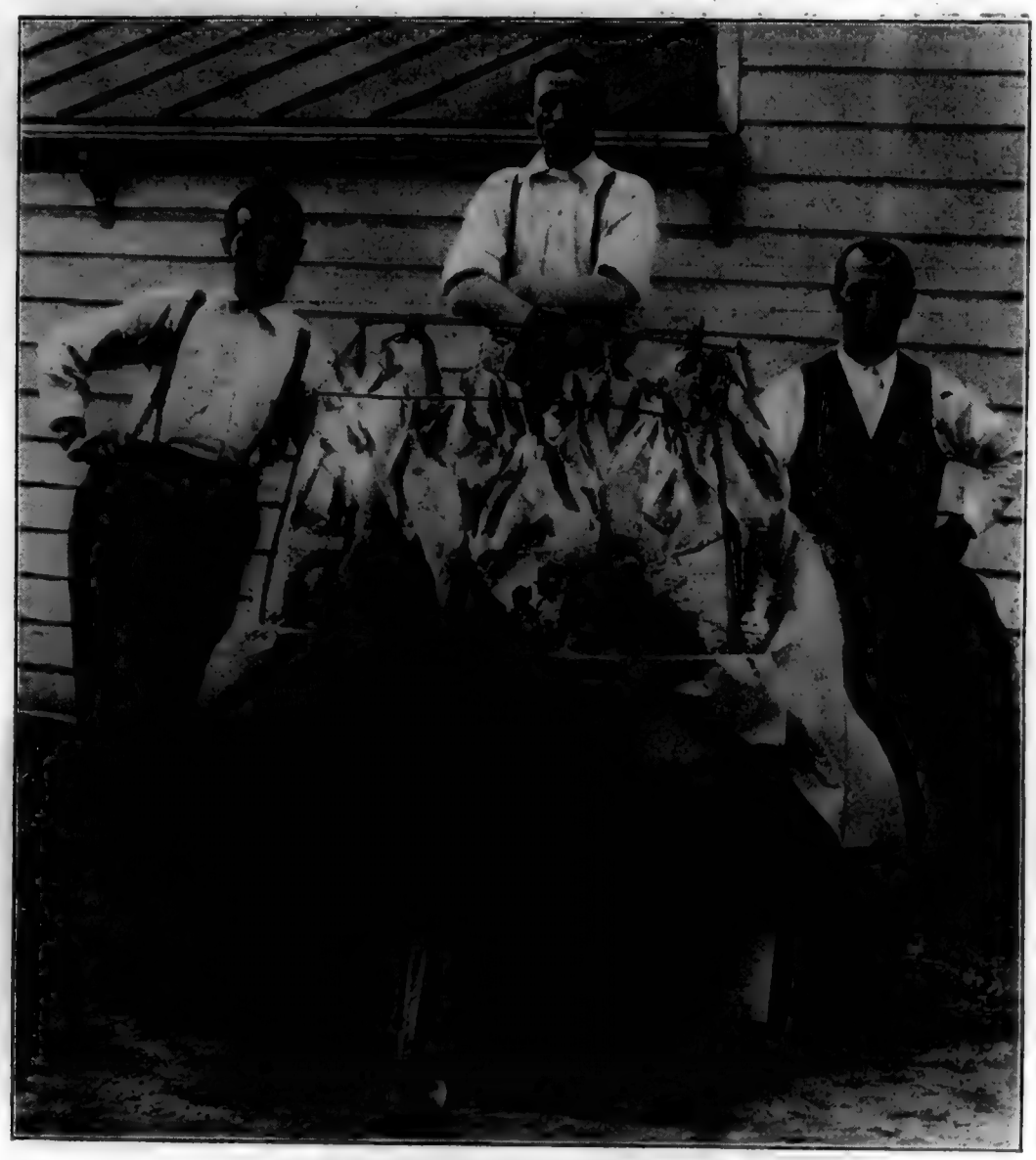


Illustration No. 5. System of upright packing, ready for "closing in."

little thought and consideration to vital points at the first starting out.

You are going into business to grow for the market a certain class of plants or blooms, and we will assume that you are thoroughly conversant with and experienced in their requirements in regard to light, heat, etc., but it is very doubtful if you are thoroughly competent to decide as to the most perfect and economical means of securing these conditions; then again, you may have in mind a plan of an arrangement of houses which you think will please you, but are you sufficiently experienced in the details of planning, building, heating and general equipment of such structures as to be sure that you are not going to come in contact with some unlooked for complications which will add materially to the cost of the work, or detract greatly from some one or more of the advantages which you were aiming for. For instance, in the matter of clothing, you know exactly what you want and how you want it to fit, but you would make a sorry looking suit if you attempted to cut out and make it yourself; or if you want to build a dwelling, you go to an experienced architect and talk over your requirements with him, but you leave the detail planning to him, or in other words, you live up to the old saying "every man to his trade," and so you should do when about to enlarge or develop a range of greenhouses. If you will steer clear of pitfalls and reap the benefit of the numberless economies which are present in a perfectly designed and constructed range of glass, you must unfold your ideas and wishes to some competent greenhouse architect, and with his help and suggestion, reap benefits which you would in all probability otherwise lose.

In planning for a new range, consider well the accessibility to markets, and with this assured, a suitable building site. In considering a site, we should look for one having perfect drainage, and ample sunlight, and if possible a windbreak either of trees or hill on the northwest; also see that you can secure a never failing supply of water. The ideal location is one having a fall towards the south of from one to five inches in a foot; this insures good drainage, ample sunlight, a saving of ground space by allowing the houses to be built closer together without one shading the other, and many other advantages which will be discussed at some future time.

After having secured a suitable site, we must consider the general plan and design, but these will necessarily vary according to the class of stock you intend to grow, and cannot therefore be considered at this time, but it will be my pleasure to give these matters consider-

ation in the future issues of the Florists' Review; and I will at all times be pleased to reply through the columns of this paper to any questions relative to the design, arrangement or heating of greenhouses for any purpose, which our readers may from time to time desire.

Henry W. Gibbons.

New York.



Illustration No. 6. "Closed in." Packing as a fine art.

POINSETTIAS.

One of the most brilliant window decorations I have seen in a long time was on view recently at one of the leading Broadway stores in New York, poinsettias being the chief feature. Florists here have hardly yet appreciated this plant fully for midwinter decorations, in part because roses are to be had in abundance in the desired tones of brightness.

On the other side, in London especially, the poinsettia is an indispensable factor in the midwinter trade, and right well it comes after the chrysanthemums, opening in all its brightness of color beneath leaden skies that hardly permit a rose or carnation to expand. It has everything to commend it to favorable notice here likewise, either in a cut state or as a pot plant, and stands unrivalled in color brilliancy, meeting the wants of the most fastidious in its decisive tones. Further, the public can have it as they want it, in pots or cut, with stems of any length from one foot up to six feet, and with heads or bracts from six inches to eighteen inches in diameter. When one has once become familiar with the routine of cultural details it cannot be called a difficult subject to grow successfully.

In "Nicholson's Dictionary of Gardening," poinsettia is now classed with the euphorbias, where doubtless it belongs, as in common with other euphorbias the plant when bruised or cut emits a milk-like juice profusely, and thanks to this it enjoys a considerable immunity from plant pests generally, insects ever ready to profit by our best endeavors usually giving this one a wide berth because it is distasteful to their nice discriminating tastes. I will not promise, however, that a taste for it may not be acquired should it be extensively grown and become the first choice.

There is one class of growers to whom the poinsettia may be specially recommended, those who do a lot of spring forcing, because it can be handled in nice rotation. It has a growing season and a resting season of most complete character, so that when at rest it can be conveniently stored away in otherwise unprofitable space.

Assuming that the flowers are now being cut and marketed, the plants to be kept for stock must be gradually dried off by withholding water and may be stored away under the greenhouse bench or in some convenient position, where they can rest completely in a temperature of about 55°, for a period of from three to four months.

When the spring stock is disposed of, say the month of May, is quite early enough to begin growing operations. The plants must then be brought forward by giving them water and a little hotter temperature of about 65° at night with a rise in proportion by day. Young shoots will soon appear and must be watched closely from now onwards, as, if allowed to become too long before cuttings are taken, owing to their softness and the great exudation of juice that follows the cutting, a large proportion may be lost. The greatest success lies in and safety may be ensured by taking the cuttings off with a little heel of the old wood when they have attained a length of from four to six inches. Cuttings taken in this way, inserted in the propagating bed, watered slightly, shaded, and treated to a temperature of about 70° should be abundantly rooted in three weeks, when they may be potted up and gradually inured to full light to keep them stocky with short jointed growth.

Cuttings in their first year are best grown right on without stopping to form single stemmed plants, and naturally from these first cuttings the grower will secure his longest stems and largest bracts. When the roots have taken hold of the soil and the plants are growing vigorously, they will need a shift into a larger sized pot, but if wanted for cutting only it would be better to plant them out on a bench, this form of culture suiting the plant quite well. When well established they will need abundance of water at the root but never in excess, nor must they ever suffer for want of it, either condition rapidly resulting in a loss of many of the lower leaves with consequent disfigurement and diminished selling value later.

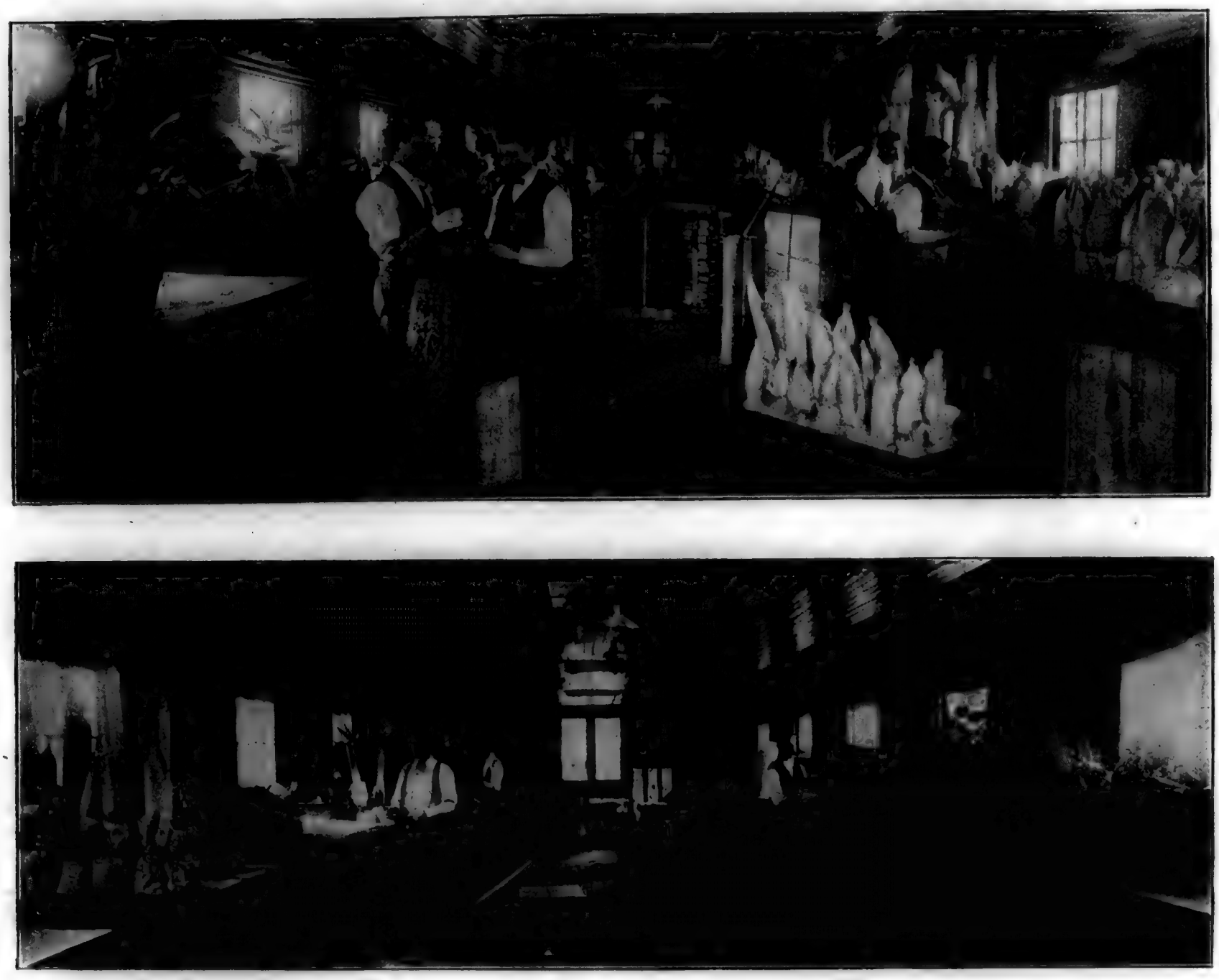
Air may be admitted to the house freely and the plants should be sprayed overhead morning and evening, whilst slight shading on the glass may be necessary to prevent the leaves burning but must never be excessive, or long soft growth will result with poor small heads ultimately. Along towards the end of August overhead spraying may cease, but air in abundance should be given by day with an object of consolidating or ripening the wood, still guarding against excess or deficiency of water at the root.

This batch of plants may be had ready for the market immediately chrysanthemums are past. From later struck cuttings similarly treated other batches may be brought along to continue the supply for Christmas and onwards into the new year. Some of these later plants may be grown on in 6-inch pots making admirable material for the Christmas market, and the florist who has much decorative work at that season should find them of great service, as they arrange admirably with palms and ferns, and their brightness is especially fitted for the festive season, when they can be most extensively used.

The plant is really amenable to the most varied treatment. For example, excellent pot plants with fine heads on a foot of stem may be secured by rooting the tops of plants grown in the manner above described. To secure these about the middle or end of September, select those to be treated and about nine inches below the growing point cut the shoot about half through at the joint. It will bleed somewhat, though not to an injurious extent and in ten days a little callous will have formed when the shoot may be severed entirely, treated as advised for cuttings, putting the shoots singly in 6-inch pots. If kept close for a time, root growth will soon be abundant, after which the plants should be grown on in the ordinary way.

Similar dwarf pot plants may be obtained from cuttings taken from stock plants during August. To retard any batches for late work the plants will easily bear comparatively cool night treatment in a temperature of about 50°, but whether early or late, when once the terminal bract appears the plants should have brisk warm treatment with a night temperature of not less than 65°, to ensure good development, with slight overhead sprayings as external conditions suggest.

All this so far applies to young stock, but the plant's possibilities are by no means exhausted if the grower so de-



Two views of the interior of a well appointed packing shed.

sires, and for cutting alone there are advantages in it, the old stock plants may be kept, stored for the winter and early spring and planted on the benches again to grow on. Such old plants, in proportion to their strength, will carry three to five shoots in their second year and finish them all with bracts as large as those from single stemmed plants in their first year. I have seen old plants that have stood several years in one spot, till their stem became six inches or more in circumference at its base, and from these a dozen shoots were taken up, tied out and perfected fine bracts.

Thus the plant can be adapted to one's convenience, though probably in a general way removal and storage would be practiced, otherwise much valuable space would be idle when the plants were resting where grown. On the other hand, as for example, at the ends of houses, some might be planted out and left, thus utilizing space often wasted. The poinsettia is a Mexican shrub but has been in cultivation under glass more than sixty years.

A. HERRINGTON.

Madison, N. J.

DIELYTRA, OR DICENTRA SPECTABILIS FOR FORCING.

Now that hardy flowers which will bear forcing are being sought for, this beautiful old favorite of gardens might be brought into the prominence it deserves. It is bound to be appreciated, grown in this way, having long since taken a prominent place in the outdoor garden, and probably in these latitudes we shall get more satisfaction and beauty from it grown in this way, as owing to its propensity for early growth and the vexatiousness of spring frosts, it is no unusual occurrence to see it nipped in the bud and its display for the season sadly marred in consequence.

Seen in the full vigor of unchecked growth and blossom, few outdoor flowers can compare with it, as it combines the graceful growth and airy elegance of a fern with long arching sprays of blossoms unique in form and of a bright cheerful pink color. Both its popular names of "Bleeding Heart" and "Dutchman's Breeches" have a distinct significance, aptly applying to its quaint form. It has been a favorite forcing plant in European gardens for many years and I can recall memories of handsome specimens filling large tubs, though the flowers lacked somewhat of their wonted color brightness as compared with those of open air growth. Here, however, with very much more sun at forcing times I should anticipate more color, but in any case it could not fail to please. To have it fine and in abundance for the Easter trade is a comparatively easy matter.

Old plants are readily increased by division, strong clumps consisting of many crowns, and it is possible to divide up to single crowns and secure roots with each. To force in quantity, however, and of good marketable size, I would give preference to plants of from five to eight strong crowns which might be potted into 6-inch and 8-inch pots, respectively, and such as these should find a ready sale. No added foliage is here needed to set off or bring out the charms of the flowers. Owing to its readiness of increase a good stock of forcing material could be grown at home in the growing plot as I have previously recommended, and such stock

more than repays the labor involved in its preparation when compared with what can be secured by importation through the usual channels.

For forcing the plants should be potted up in the fall and may be placed outside again in a bed of ashes, or better still in a cold frame where they can have protection if needed and be easily got at when wanted. It should not be submitted to hard forcing however, or much of its beauty will otherwise be lost. Few plants respond more readily to slight increase of temperature, and forcing temperature for it need not be many degrees in excess of what is normal for its outside growth. From 50° to 55° will be found to suit it admirably for night with a slight rise by day, keeping the plants in a position exposed to the fullest light and giving abundance of water at the root. Well grown plants should be furnished with foliage down to their base, the arching sprays of blossom well distributed all over, and such a specimen set in a jardiniere is one of the prettiest room plants that the most fastidious could desire.

Madison, N. J. A. Herrington.

CARNATIONS

WATERING.

Proper ventilation and abundance of fresh air will keep the plants in a healthy condition; judicious watering and feeding will make them grow. We learn from field culture what effects too much and not enough water will have on the plants. Under glass, watering is more completely under our control than is temperature, and any harm arising to the plants from this source deserves no other name than neglect or ignorance; often when arising from both causes we hear the excusing self-satisfying phrase, "good enough." Nothing is good enough unless done to the best ability with which it can be done.

As much as the carnation delights in a light, buoyant atmosphere, it likes a moist soil, though not wet and soggy. To attain and keep that proper degree of moisture through the full depth of the soil, the bench must have good drainage to allow the surplus water to pass off. Drainage is a safeguard, but should not be misused, for too much water draining through the soil will also wash and leach out some of the nourishment contained therein. On the other hand when not enough, the lower strata of the soil are left dry, and the roots passing through this dry soil are rendered unable to support the plant. Such a condition is generally shown by dry points on the leaves. Again, one must learn to know the retentiveness of his soil, and be guided by this, coupled with a close observation and watchfulness "when" to water. I would call it judicious watering to give it when needed, and in the required quantity; and further the water should not be colder than the temperature of the house; a little warmer will be of marked benefit.

It takes a practiced hand to give the required quantity at all times. I have the watering done by two men exclusively. Now with all the teaching and cautioning they have fallen into the habit of pushing the hose back and forth across the bench at a certain gait. When told to water a little heavier or lighter, they observe it for a short time but soon fall into their usual gait again. Now singularly, one waters a little heavier, the other a little lighter, so when I make my rounds and find that one bench or another needs necessarily more or less water I send the corresponding man.

There is no worse practice than watering at regular intervals. The amount of water should depend on sunny or cloudy weather, and the dryness or humidity of the atmosphere. A careful grower will go through his houses every morning and examine to ascertain where water is needed.

The next important point is "how" to water. Dr. Arthur was the first in making his investigations of rust and bacteriosis, to caution against overhead watering, recommending keeping the foliage dry, as much as possible, as the best safeguard against fungous and bacterial diseases. I have practiced the policy and advocated same ever since. At our place no watering overhead is allowed from the time the plants have become fully established on the benches in the fall, until May or June the next year.

The water is applied with the hose, pushing the same across the bench between the rows. We use a sprinkler attached to the hose, which distributes the water over the soil without spraying up into the foliage. This mode of watering requires more time, for to prevent washing we cannot make use of the full stream of water at our disposal, as otherwise we could with the full stream sprinkled over the plants. But we consider this time well spent for the very satisfactory results obtained as regards health and growth of the plants, not to mention that no flowers will be spoiled by the water.

But here some will say, if we do not syringe the plants (and the flowers in the bargain,) they will be spoiled by red spider. To those I will say that my experience, where proper temperature, good ventilation and judicious watering and feeding are observed, no red spider will appear. Every measure that promotes health and growth is a measure to prevent insects and disease.

In connection with this, it is worth mentioning the importance of the fact that the bluish bloom, that lustre of healthfulness and vitality spread over the plants, is washed off with a rough syringing. If we examine sufficiently careful we find that it feels like grease; we find it a substance impervious to water. For what is it there? This question can be answered by observing the effects of continued heavy summer rains on the field plants; an experience that to their sorrow most every grower has met with. This substance washed off, the water has a better chance to lodge on the leaves; the plants are kept wet, and the door is open for the return of fungous diseases. If we have to contend with injurious climatic influences which we cannot control, why not avoid them, where they are under our control.

When watered underneath we can do it any time during the day, there is no anxiety to water early in the day, so the plants will have a chance to dry off before night, a half-way admittance of the advisability of keeping the foliage dry.

Fred Dorner.

A BASKET OF ORCHIDS.

The accompanying engraving is from a photograph of a basket, which was one of the many beautiful creations of the florist's art seen at a reception given recently in Washington, it being the occasion of the debut of the youngest daughter of the Leiter family.

The basket was about four feet in diameter, handle about five feet high. The center was filled with beautiful specimens of Cattleya Trianæ and on each side a fine bunch of Vanda cœrulea intermixed with Farleyense ferns. The handle was trimmed with Asparagus plumosus and was literally covered with fine specimens of Calanthe Veitchii, C. vestita alba oculata, Dendrobium Phalænopsis in variety, Zygopetalum Mackayi, oncidium sprays and large quantities of cypripediums, making a most effective display and one seldom seen. An idea of the quantity of orchids used and expense of the basket can best be judged when one reads what were used in its makeup:

50 spikes C. Vestita alba oculata.
75 spikes Calanthe Veitchii.
50 large sprays Vanda cærulea.
150 cypripediums.
50 Ezeka Petlium Moccaii.
25 Phalænopsis Chiliranum.
75 Dendrobium formosum giganteum.
25 spikes oncidiums.
200 sprays Farleyense ferns, asparagus, etc.

THE STORY OF AN EMIGRANT FLORIST.

II.

The gardens and pleasure grounds proper were only thirty acres, surrounded with a light iron fence, but only here and there was the fence visible, and nowhere an objection to the eye. In walking back to the flower garden and back to where were situated the many hothouses, greenhouses and houses used for forcing fruit, we will have passed many beautiful bits of landscape gardening, here and there an open glade surrounded with fine evergreens, here a sunken walk, but not



A Basket of Orchids.

visible till you reach it. At the end of a walk or in a recess among the evergreens, were many summer houses, but never obtrusive, never a feature of the landscape—a resting place "For talking age and whispering lovers made." Some, the interior of which were shells collected from the neighboring sea shore, others of the cones of many conifers, another with the split wood of the hazel and other native trees and shrubs.

In some quiet nook, seen only as you passed, were pieces of statuary. Speaking of statuary, even in a most natural pleasure garden, it is admissible in certain places. The noble trees, the banks of shrubbery, the well kept grass, the charming views, these are the important features of true landscape art, but the statue of an eminent man and perhaps friend, or the marble figure of a goddess of war or peace or love may find its place in some quiet corner. It should be so situated that you hear the marble figure say, "I am here, you can admire me if you choose," not "here I am, you can't get by without seeing me." One of the most flagrant instances of how not to do it is in our own beautiful park. But a few feet from the most picturesque part of the main park on the most thronged carriage drive, and close to the gravel road, stands the inartistic head and shoulders of that king of melody, Mozart. Our good German citizens did a worthy thing in having the statue executed, but where it stands is as unpicturesque as a scarecrow in a cornfield.

As we approach the garden proper we will walk down "the outside walk," usually called so because it was one of three roads or paths which ran for perhaps 150 yards straight and parallel, one of the few bits of road out of miles that were straight. The north was a carriage drive, the middle a path, called the sand walk, used by the workmen of the garden and gamekeeper journeying from one game preserve to another. The west path was used by sightseers. These three roads were divided by but a few feet, yet such was the judicious planting that pedestrians in either were perfectly invisible to those in another save in one spot, where for a length of perhaps seventy-five feet, shrubbery of many kinds was cut down to a height of about five feet, giving a view from either path east or west of the surrounding park and woodland. In all the many thousands of trees and shrubs and the hundreds of species I cannot recall with this exception a single instance where a tree or shrub was mutilated to conform to any grotesque or formal shape. Cutting out and thinning out there had to be and sometimes on a large scale, but done with such care and skill that no one would suppose a knife had been used.

Little scenes and views, as I have attempted to describe, give one a very erroneous idea of the size of the place. Ask a visitor, when he had completed a round of the pleasure grounds and garden, how many acres he had walked over. He would say one hundred; it was but thirty. This effect could not have been attained had it not been for the help of the park, which on all sides surrounded the garden. The park was rented to a tenant farmer, but not to be ploughed up; to be used for hay or grazing only. The park with its solitary stately oaks, or sombre pines, or clumps of trees and flocks of sheep, was just about the same as the principal part of our American parks. Man had done little to embellish it. Nature had done most.

Don't you think, reader, that the architecture of the majority of our parks has been a little too much in one groove? If a park is surrounded with buildings, in other words the city has grown around it, nothing can be more pleasing or restful than the imitation of nature, or green fields and woods reproduced, with but the slight help of the landscape gardener. But where a park is built on the outskirts of a growing town, and especially where that town is surrounded with river scenery and green woods and fields, is not a little more of the artificial admissible? Will it not be appreciated greatly by the citizens who pay for it? I am not advocating anything so formal or set as the Italian garden, yet something a little more of a departure from our country fields and woods would surely be appreciated, at least until the city had grown so large that a view of trees, shrubs and grass filled the souls of all and nothing more was desired. Parks are built first for amusement and pleasure, second for education. To afford pleasure for the masses is the primary object, to the wealthy of less consideration for pleasure is always at their hand.

I must say good bye to pleasure grounds, but before I do, let me remind the old boys, who were brought up in such scenes, what a paradise it was for us boys to collect birds' eggs. Our city boys know nothing of our native birds and too few of the country lads have limited their ornithological knowledge to the black bird, the blue bird, the gray bird and a few other feathered friends, who are known only by the color of their plumage. I believe we knew seventy-five species of birds and when we found the nest we knew the bird who built it. The nightingale's lovely nest with its chocolate colored eggs, always in a bank in some dense underbrush, was as well known as the missel thrush, who always

built its nest in the strong crotch of an elm or oak. The longtailed tit, whose nest looked like a bunch of leaves with a tiny opening at the side, and whose warm lining was a veritable bower of feathers; alas the golden crested wren was robbed of her exquisite nest, so beautifully made of moss picked from the bark of trees. The chaff finch, the green finch and bull finch follow the design laid down by their parents, follow it faithfully, identically, for how many generations, who shall say?

Old countrymen who do me the favor to read these lines will remember the excitement, the rapid heartbeat, that is produced by the sound of "hounds;" old men are as susceptible to this fever as the young. Nowhere in the British Isles or Ireland is it possible to be many miles away from a pack of foxhounds; a pack hunting a country say of twenty miles square, so every week or two they will be in your neighborhood. If they should pass "full cry" after Reynard, within half a mile of where you are working or loafing, the music of the hounds is irresistible. A workman is excused for dropping his hoe or rake or scythe and rushing to a favorable spot to get a view of the pack as they pass from thicket across the park to copse. There is a sentimental and hypocritical sneer made at this sport by a certain class in this country. They know nothing about it. 'Tis not half so cruel as taking a lamb to slaughter. It is grand exercise for those who have the leisure. It makes courageous men and women, it produces a grand breed of horses, and not half the time does Mr. Fox get caught. He lives to run another day, but a real live fox is so much more interesting than the anise seed bag with which many of our hunting clubs have to be satisfied to follow in imitation of their cousins across the water.

It is very comical to hear a lad converse about the time his voice is breaking. He starts in with his newly acquired man's voice but at the end of a sentence up goes his voice involuntarily to his original treble. You laugh but the boy is confused. All this was spared me, for when about thirteen I caught sight of a magnificent fox passing across the park within two hundred yards of where I stood. I don't think we are taught it at school but by instinct we know that the right thing to do when you sight the fox is to give the view halloo. As the sweet music of the hounds was heard a mile behind I spared not my lungs. When I began I had a treble, in ten minutes I had nothing, and at the end of two weeks' silence speech was restored to me. It was a rich (?) baritone; the transition state I was spared. My efforts so accelerated the speed of the fox that he also was spared, and the fifty-two dogs supped on butcher's meat that night.

At the south end of the three paths we enter the flower garden. At the entrance we have passed under a canopy of roses. The flower garden, or rather this one, was perhaps two acres in extent, bordered by beautiful evergreens. The flower garden of that day antedated the ribbon border, the pin cushion or the carpet bed. Beds of verbenas and heliotrope and old Tom Thumb geraniums, mesembryanthemums and other old favorites were sufficient to produce a most pleasing effect. How differently verbenas were used then and how strong and healthy they grew. They occupied the center of some beds, grew a foot or eighteen inches high and were bordered with geraniums. One large irregular bed in the lower corner I will never forget. It was a mixture of slender growing variegated geraniums with pink flowers called "Mangold" and Purple King verbena. It is a most chaste and pleasing combination and I have seen almost the same arrangement this past summer, variegated geraniums and Verbena venosa. In the center of many of the beds were hybrid perpetual roses with their healthy growth tied down to a circular iron hoop some six feet in diameter, and raised off the ground about a foot. When looking down on them it was a veritable bed of roses.

It may be I look back at these roses through childhood's eyes, but never have I seen such roses since I could walk blindfolded to the spot where bloomed a Souvenir de Malmaison with its hundreds of flowers and buds. I could step a few feet farther and point to where once grew the giant Baronne Prevost. I can see the spot where thousands of blooms of Coupe de Hebe, Jules Margottin, Giant de Battles, Mad. Laffay and other beauties yielded their matchless blossoms for beauty's sake alone. It was no sin (if you were not caught) for a boy of fifteen to cut off an armful (they never would be missed) and trudge off after supper a mile and a half to the little near-by town and lay them at the feet of some damsel ten years older than himself, reward only a sweet goodbye at the gate.

I see the rustic summer house on the east side of the flower garden in whose ivy-covered roof roosted hundreds of that sprightly little bird, the wagtail, the smallest bird that walks (all smaller hop). We will stroll down the west garden bordered on each side with a rare collection of herbaceous plants, with here and there great clumps of pampas grass that reared their feathery plumes high above the background of arbutus and laurel. Near the margins were hundreds of little patches of annuals, the nemophila, the erysimum and the eschscholtzia (Californian poppy) are among the best remembered. The maize (our Indian corn) grew seven or eight feet high in this border, a few seeds sown in the houses and planted out in June. It grew and ripened its ear as well, I think, as it does in New York state. How many times I have been conducting a party of visitors through the garden, when in the company there would be some lady or gentleman, who was either an American or had lived in this country; many times have I listened to the merits of the maize as a vegetable and how it was cooked and eaten "in the States." Little did I think then that I would ever be surrounded with a family of young Americans who devour corn with the relish of a Narragansett papoose. They can have it, I prefer cauliflower.

At the end of this interesting walk, were two immense clumps of Arundo Donax, which I believe grew to a height of twelve feet. We boys used to make fishing rods of them and catch carp from the little lake. By the bye, our friends and neighbors, the Germans, make a great deal of fuss about carp. Their carp must surely be a different variety. Our carp were interesting to catch, so is any fish that weighs five or six pounds and is strong enough to pull a small boy into the lake, but as a table delicacy, preserve us from them, they are composed principally of mud and bones. The only sensible method of cooking them was discovered by the proprietor of the estate. He said "they should be boiled in port wine and then thrown away."

We now enter the arboretum, where fine specimens of most of the choice conifers hardy in that latitude, showed off their perfect symmetry. No crowding, but each one was given ample room to show its perfect form. Araucaria imbricata, whose branches swept the grass and would defy even a rat to enter among its fierce points; Picea pinsapo, I will never forget for its symmetry was matchless. Pinus Douglasii, a grand specimen, and even Sequoi gigantea was a good sized tree before I was fifteen. This is the California giant that makes man feel very new on earth. Perhaps some fine specimens were flourishing in California when Noah drove the South American sloth into the ark.

To enter the first of the glass structures we must pass under a trellis roof covered for many feet with the Dutchman's pipe (Aristolochia Sipho), and while you are admiring this curious flower, it will be a good place to leave you and say good night. Bibber.

[To be continued.]

BEDDING AT LINCOLN PARK, CHICAGO.

The engraving on opposite page gives a view of the parterre at Lincoln Park, Chicago, looking from the south end. In the distance is seen the palm house and in the foreground is a bed of cannas bordered with acalyphas. The various beds will be described in detail.

THE "POINT SYSTEM" OF JUDGING.

Those who are not familiar with the subject, may suppose that the adoption of this plan will secure absolute accuracy in judging, prevent favoritism, satisfy everybody, and do away with the, heretofore, all too prevalent "kicking" by exhibitors. Average exhibitors, however, will not be satisfied until some system is devised whereby each one will be awarded a first prize; and a great deal of nonsense has been spoken and written about judging by points.

The plan is not new, but has been in use for many years; if not in flower shows, at least in the case of other exhibitions; and it will not prove to be the wished-for panacea for the ills of judgment; but after being tried with varying results for some time, it will probably be dropped, for the older and better way of judging by comparison.

If the various qualities that go to make up a complete flower or plant were capa-



Bedding at Lincoln Park, Chicago.

ble of being measured or weighed, then anyone who could use the tape line or the scales could tell exactly how much to allow and how much to deduct from the scale of points, in passing on the merits of any particular exhibit; and having decided the points named in the scale, nothing else would require consideration; it would simply be a case of applied mathematics. But beauty and grace, the delicate gradations of color and texture, the condition and arrangement, and all the subtile unmeasureable and imponderable qualities that combine to make the object a pleasure to the observer, can never be judged in this way.

It is true the rules may provide, and very properly, too, that between two competing flowers or plants, otherwise equal in merit, the specimen having the largest size shall be given the prize; and to settle this point, gauging must be resorted to; but you cannot gauge the difference between an Armosa rose and a Bridesmaid with a yardstick or a ten-foot pole.

If it were possible to make some fixed starting place, or zero point, in judging the quality of flowers, from which a graduated scale could be marked up and down, this would simplify the matter; but beauty is a relative, not an absolute quality; and we estimate the degree of beauty of any object by comparing it with other objects of the same kind, either by having them before our eyes or by looking at one object and comparing it with the mental images of others that we have seen.

When we can make a satisfactory job of judging a flower show by a fixed scale of points then it will be possible to judge all the various details that give us pleasure when we look at a fine landscape, a pretty child, or a beautiful woman in the same way. The fact that there is no fixed point to start from in applying a scale of points, is one of the chief sources of trouble with this system, and has done more than anything else—unless it be the bungling work of some of the judges—to cause dissatisfaction with it.

Exhibits are usually looked over first, and a mental comparison of their merits made, and they are then scored to correspond with this prejudgment. If numerous and meritorious the scale will be applied rather strictly; if few, the best exhibits will be scored well up. If the judge awards the prizes in the order of merit, no matter how his score cards may read, and the competition ends there, his course may give satisfaction; but if the same specimens appear at another exhibition, in stronger competition, the real trouble begins. If the same judge officiates he will see at a glance that he has been too liberal with his scores in the first instance, and will probably not have enough points left, before reaching his limit of 100, to express the amount of difference between two competing exhibits. If judged by another the different value placed on the merits of the same specimen by the two judges is likely to cause laughter to all who learn of it, barring the owner of the specimen.

Notice the difference in the scores given the same variety of chrysanthemum, by the several Chrysanthemum committees—composed of men supposed to be expert judges—during the autumn just passed. Being such an uncertain measure of merit, of what value is such a score card to an exhibitor. It is the first prize he wants; and if he shows a vase of Bonnaffon at Boston, New York, Philadelphia, and Chicago, and is awarded first prize at each place, what cares he that the vase of his closest competitor was scored up to 98¾ points.

A competent, careful, and conscientious judge will do good work with the scale of points; but such a judge will do better work, and do it much more quickly, without it. Exhibitors are not clamoring loudly for the adoption of the point system of judging, they only want to have their entries fairly compared with others, by a competent and honest judge. Visitors do not care what plan is adopted, so long as they can see which specimens have been awarded prizes; but they do object, and rightly, to going to a flower show, or a poultry show, on the second or third day, and finding no prize cards up, because the judge is not through scoring.

Awarding prizes could be done very simply and quickly in this fashion. Let an active superintendent, with a sufficient force of assistants, see that all the exhibits are in place at the time the schedule requires. Then the superintendent, provided by the secretary with a list of all entries properly numbered, takes the judge to each class in its order, and shows him all entries competing in that class, arranged side by side. The judge looks at them carefully, and if he is worthy of the name, one glance is usually sufficient; if not he takes two glances, or more. When he has reached a decision, he takes the prize cards, and places them on the successful exhibits; the superintendent notes the numbers on his list to which the prizes have been awarded, and they go to the next class, and so on through the entire show; and at the hour for opening the hall to the

public, the judging is completed, the prize cards are affixed, and the prudent judge, if at all apprehensive, has left the town. W. T. Bell.

MISCELLANEOUS SEASONABLE HINTS.

When these lines reach the reader we shall be all too busy to study any hints, but will soon be cleaning up the houses for a new start. Remember to save enough of several things for your next year's supply. I refer to plants that you are liable to sell clean out of or cut your entire crop for Christmas or latest at New Year's.

Stevia Serratifolia.

Stevia serratifolia, commonly called sweet stevia, is most useful just now, but it is sure to all go within a week or two. Save a few old plants cut down within six inches of the pot and keep on some cool bench as you would chrysanthemums. March is plenty early enough to propagate it.

Begonia Incarnata.

The begonia which we call incarnata grandiflora is also very likely to be cut to pieces before the holidays are over. To have a good stock of this you must not stand the plants down by the path and expect to get good cuttings. There is no hurry in propagating them. It is strange, but they root more readily in May than they do in February, when we have a brisk bottom heat.

Harrisii Lilies.

It may pay to keep for summer planting the bulbs of Harrisii lilies of those you have cut at Easter, but it will never pay to bother with these early forced ones, so out with them as soon as you can to make room for other crops.

Maiden Hair Ferns.

Maiden hair ferns that have been cut down, and it pays best to pretty well clear them off, not pick fronds here and there, making all a shabby lot, can be moved to a cooler house. They should be kept rather on the dry side till the young crop of fronds are showing a good growth. This is also an excellent time to thoroughly clean them of their worst enemy, the slugs.

Smilax.

I have reminded you before to be careful about a smilax bed when denuded of its growth, especially when the strings are not well ripened. I have seen thousands of smilax killed by a deluge of water with no top to use it up, and the fleshy roots will have an odor like a rotten potato. If the roots of the smilax are showing on the surface, which they often do, it is just the time to put on a mulching. An inch or more of loam and cow manure in equal parts is good for the purpose.

Centaurea Gymnocarpa.

There are not many seeds to sow for the next month. If you grow Centaurea gymnocarpa (dusty miller), you can sow it soon after New Years, the slower and cooler it is grown the more satisfactory it is for any purpose. It wants to be in that condition when planted out which florists call "hard." It is seldom seen in flower gardens now-a-days, but for vases or veranda boxes, is very useful.

Lobelias.

You should propagate lobelias from a few plants lifted, but if you did not do that, then sow soon, for they are slow to make plants that are of a useful size.

Tulips.

The tulips that were brought in early in this month have proved but a very limited success and I hear of others in the same condition. Every week makes a difference and by New Year's you can bring in any of the early tulips and narcissus. For all the month of January you will want a heat of 70° to 80° and keep a shade over them. You can now bring in La Reine, Vermillion Brilliant, Proserpine, Yellow Prince, or Chrysolora tulips and Von Sion narcissus and be reasonably sure of a medium stem and good flower.

Azaleas.

I will remind you once more that about now and for two weeks to come you must keep the young growths that surround the flower buds on azaleas rubbed off or they will exhaust the buds, which will shrivel up and you will have a green bush instead of a flowering bush. Sorts like Madame Van der Kruyssen, which are rather early to flower, can be kept but a little above the freezing point, while late varieties like Emperor de Brazil will be about right in 50° at night.

Easter.

Some weeks ago I was asked what date Easter came on next year. Strange to say from several sources I was unable to find the information. A few days since I struck a man getting up calendars and he could tell me the date of Easter in 1999. Few of us are interested a century ahead but florists are much interested in Easter of '98. Easter Sunday is April 10, slightly earlier than the average of years.

Bermuda Lilies.

Last year for the first time in many years I reckoned wrongly on the earliness of a large lot of Bermuda lilies and had to do a lot of forcing the last few weeks and then with many too late. I hope I mislead none who are kind enough to read the hints, which are most sincerely meant. Be on the safe side. It is difficult to give advice on this subject, but I would say that a strong lily that is now nine inches to one foot above the pot should be in a night temperature of not less than 55°, with plenty of light. You would think that the average customer would prefer a lily with two open flowers and five buds to one with six open flowers and only one bud to open, but with the great majority it is not so. With most of our customers it is the eye that is appealed to with little exercise of brains.

W. Scott.

OUR GENERAL INTRODUCTION. No. 3.

Every subscriber is requested to send his photograph for use in our general introduction, but please do not send us photos that must be returned, as we have to cut them in arranging in the groups.

60. Thomas Young, Jr., New York.
61. Wm. C. Smith, Philadelphia.
62. Peter Reinberg, of Reinberg Bros., Chicago.
63. Elmer D. Smith, Adrian, Mich., secretary Chrysanthemum Society of America.
64. F. Lehnig, Hackensack, N. J., president New York Market Florists' Association.
65. J. J. Beneke, St. Louis, Mo.
66. Alex. Rennie, with W. W. Potter & Co., Providence, R. I.
67. T. J. Clark, of Houghton & Clark, Boston.
68. R. L. Ridgely, Park Commissioner, St. Louis, Mo.
69. Milburn P. Ward, of J. M. Ward & Co., Salem, Mass.
70. John F. Rupp, Shiresmantown, Pa.
71. F. E. Palmer, Brookline, Mass.
72. Henry Ostertag, St. Louis, Mo.
73. W. C. Kaber, La Porte, Ind.
74. James Quinn, Brookline, Mass.
75. A. W. Hoyle, Spencer, Mass.
76. G. W. Brown, of Brown & Hershey, Fairhope, O.
77. Samuel Pepper, Belvidere, Ill.
78. H. H. Cadwell, Decorah, Ia.
79. W. S. Davis, of A. B. Davis & Son, Purcellville, Va.
80. Wm. Freytag, manager of Jacob Freytag's retail establishment, Milwaukee, Wis.
81. C. W. Wors, St. Louis, Mo.
82. Theodore Koss, Milwaukee, Wis.
83. D. Corbin, Philadelphia, Pa.
84. Samuel C. Moon, Morrisville, Pa.
85. Charles A. Hunt, Terre Haute, Ind.
86. George Reinberg, of Reinberg Bros., Chicago.
87. John Meyer, Jeffersonville, Ind.
88. Charles J. Hewson, Buffalo, N. Y.
89. Miss Ella Kaber, La Porte, Ind.
90. Frank Ellis, manager Mound City Cut Flower Co., St. Louis, Mo.
91. F. H. Houghton, of Houghton & Clark, Boston.
92. O. E. Carr, of M. L. Carr & Sons, Yellow Springs, O.
93. Robert Warrington, Stamford, Conn.
94. James Macfarlane, Madison, N. J.
95. P. D. Gatton, with S. J. Reuter, Westerly, R. I.

EUCHARIS AMAZONICA.

I am pleased to see in the initial number of the Florists' Review the interest Mr. Samuel Murray is taking in the cultivation of the beautiful Amazon lily.

I herewith outline briefly the somewhat novel method of culture adopted by Mr. Alfred Allum, Newburg, N. Y., for flowering the Eucharis amazonica in winter. The plants are grown on benches, as is done by Mr. Murray, but with this difference: In the spring, or about June, the bulbs are removed from the benches, the strongest selected, and planted in the



OUR GENERAL INTRODUCTION. No. 3.

open ground, enough space being given to allow for proper cultivation and care.

Early in the fall the bulbs are taken up, the largest again selected and replanted in the borders about six inches apart, the benches being well drained and filled with turfy loam. In a short time flower spikes will begin to appear in numbers. This precedent seems to be the reverse of all ideas in the culture of this charming flower. F. L. Atkins.

Short Hills, N. J.

HORN SHAVINGS.

"J. T. T." asks "what are the best uses for horse manure and horn shavings from a blacksmith shop?" By what is meant as horn shavings is the paring of the horses' hoofs at the forge. These horn shavings are considered, as a fertilizer, very valuable for almost any plant that is benefited by an organic manure. How much to use in a given quantity of soil it is difficult to say, unless we know how much of the horse manure is mixed with it. Supposing it was the shavings purely that you procured, I would say one part to ten of soil would be sufficient. It should, at least for our greenhouse plants, be mixed with the soil several months before using. None of its fertilizing properties will be lost, as they will be absorbed by the soil to be given out again to the plants.

Its value mixed with sweepings of the "village smithy" it is hard for me to determine. If you have two or three horses shod at the shop, a cigar occasionally ought to pay for the sweepings. Then again, if you can't get it on those terms, it would be cheap enough at one dollar per one horse load. But the price of manure all depends on locality. In the country you hear of men sending hundreds of miles to a big city for carloads, while a florist in a big city gets it dumped on his lot and fifty cents bonus for granting the privilege.

The following is an instance of what sort of a fertilizer these horn shavings are: Two years ago a neighboring blacksmith spread the sweepings of his shop on a piece of miserable clay. He spread it thickly, 'tis true, and planted sweet corn which grew fourteen feet high and the color of the plant was almost blue. In fact I have never seen such corn east of the Little Miami. W. S.

FORCING PAEONIES AND DIELYTRA (Dicentra.)

A subscriber of the Review asks "what is your method of forcing the above for Easter blooming." The tree pæonies can be forced for Easter in six weeks. I prefer to have them established in pots before forcing. The herbaceous pæonies, wanted for their flowers only, could be grown on a bench in six or seven inches of soil or in large pots. Give them seven or eight weeks in the house.

The dicentras are more easy to force and make a fine decorative plant. Allow six weeks to bloom them. As Easter time—their natural time of flowering—is drawing near, a night temperature of 60° will do very well. Be on the safe side and have a few days to spare. I have a neighbor who now has tree pæonies showing color and herbaceous pæonies that are showing bud on plants that were dug up in October, but they will scarcely be so satisfactory as those flowered at Easter time, this year April the 10th.

Wm. Scott.

SWEET PEAS.

From "Joliet" comes this question: "Can sweet peas be sown now and give blooms for Easter? If so, what kinds are best? An answer through the columns of the Review will greatly oblige." In my opinion it is too late to sow sweet peas for Easter bloom. They should be sown in September. It is true they make little progress in the dark weather and show no inclination to flower till we get bright weather. I have never tried them in a rose house and believe it too warm. A carnation house that is kept about 50° at night is all right. If sown at once they may flower at end of April and you can pick peas during May and June. There are seldom any sweet peas picked out of doors before July 1, at least in our latitude. If you devote a bench to sweet peas, don't give them more than four or five inches of soil. With too much rich soil they grow all to vine and won't flower before the Fourth of July.

White, pink and purple are about all you want for forcing: Emily Henderson, white; Blanche Ferry, pink; and Countess of Radnor, will fill the bill.

Easter Sunday is April 10.

Wm. Scott.

NEW YORK.

Among the Store Folk.

As usual a week or ten days before Christmas, the shoppers are out in full force, though very few orders have been given yet, and the retailer will not know "where he is at" until about the middle of the week. It seems to be getting habitual that the buying of flowers is put off until the last minute, so the retailer has scarcely any idea of his wants until that time, and it therefore comes like a football rush. All want waiting on the same time, and all want their goods delivered the same time, and it is a wonder to me how some come out of the maelstrom with their seven senses intact, but let the customers come. I'll guarantee they will get attention and good attention at that, and "system" which seems impracticable at other times, will reap its just reward. Gentlemen, success to you!

I took a mental "snap-shot" at Mr. George M. Stumpp's window yesterday and noted its simple and appropriate arrangement. The front was edged with selaginella, while the sides were grouped with handsome Otaheite oranges, in full fruit; in the center a mass of Solanum Capsicastrum; to the right was a fine piece of Dicksonia antarctica, stem about six feet, and to the left a handsome specimen of Cibotium princeps with its large spreading fronds reaching out, almost forming a canopy over the whole, while in the center of the window was a vase of Pyrus japonicus, its pretty apple-tinted flowers giving a light and effective appearance. [I might mention here that this beautiful shrub forces very easily, all that is necessary is to cut off some dormant branches, place them in jars of water and force them gradually.—Ed.]

In the rear of the window platform Mr. Stumpp has erected a movable "arm," a simple branch of oak, that stands on the floor and reaches out gracefully about sixteen feet. On this are attached staghorn ferns, orchids, and other epiphytal plants that at once give it a natural and unique appearance. This can be turned on its "axis" in any direction and can be made to reach out into the store or the window or form a background for the latter.

Hanft Bros. have opened an annex for their Christmas trade, chiefly for the handling of Christmas greens and holiday goods.

I noted in the front of several stores pyramidal hollies in fruit, which are handsome and appropriate at this season of festivity.

A Jaunt in the Street.

As was anticipated, the Creedon-McCoy fight over in Long Island City, did not have any material effect on the flower market. However, in a fifteen-round bout—prices versus stock—the latter won. Both are again in training for Christmas, and I hope to send a special report from the seat of war next week, covering all the important points; meantime the odds are a little in favor of prices, the growers are giving the "stock" a special "rub down" and "prices" are receiving the same attention from the wholesalers before rubbing them up; the retailers, usually interested spectators, will "weigh in" the two "principals," while the private customer will form a "flying wedge" in an attempt to break down all precedents, we hope, and "clean out" the whole stock.

Stock is fairly plentiful this, the early part of the week, but to give prices would only be misleading and there is no telling where they will be by Saturday next. All fine grades of Beauties are being spoken for and cattleyas have been gobbled up weeks ago. From appearances now there will be plenty of stock, though it is quite problematical at this date.

Later indications are that roses of all kinds will be very scarce this week.

Thomas Young, Jr., reports an unprecedented number of orders for shipping Christmas week. He expects the New Year trade to be equally good and is making preparations accordingly.

Seed and Bulb Trade.

In spite of the apparent shortage in the finer grade of tuberoses, several heavy shipments were made to Europe last week. The tuberose is still very popular there, the bulb being used chiefly for pot culture and funeral work, the short summer not permitting their being grown in the open, except in the more southern portions of the continent.

Mr. J. L. Schiller goes south on a mysterious visit to spend Christmas somewhere in Maryland. Is it a Baltimore

belle, friend Schiller, or is Mary-land simply a coincidence? Come, 'fess up!

A trip around the trade revealed the fact that preparations for the coming season are already being made and an air of activity pervades these stores. The last proofs of the catalogues are in the printers' hands, and "all we've got to do now," said one man, "is to sit down and just wait."

Peter Henderson & Co.'s new store is a marvel of "white and gold." (the old store has been thoroughly renovated), and the windows are specially attractive with Christmas gifts in the way of palms and prettily filled jardinieres. Mr. Forbes is specially proud of the innovations.

J. M. Thorburn & Co. have been making some heavy exportations of seed, etc., and as far distant as Australia.

Stumpp & Walter Co., the "youngest firm in the trade," are going after the "big fellows" and are making timely preparations for the spring. Their trade for "Christmas greens" was very satisfactory.

Mr. Arthur Boddington, who is the literary end of the firm of Clucas & Boddington Co., in answer to a question about the motto on their trade mark, said the translation was "We stand wherever thrown," which I suppose means, "You can't throw them down." The trade mark is a cartoon of the coat of arms of the Isle of Man, of which Mr. Clucas is (was) a native.

Mr. J. E. Killen, the well known representative of C. H. Joosten, has returned from a very extensive and profitable trip. Mr. Joosten is making a specialty of hardy roses and sales in this line are well up to the average.

Mr. W. C. Langbridge, who represents the well known firm of Jerome B. Rice & Co. Cambridge, N. Y., is a visitor this week.

In our notes in issue of December 9 the following error appeared in the seed and bulb paragraph: Chinese lilies "realize $30.00 per *100*," should read $30.00 per *1,000*.

Miscellaneous.

F. R. Pierson Co., of Tarrytown, were recently notified that they were awarded a silver medal for their extensive exhibit of cannas, etc., at the Nashville, Tenn., Exposition last summer.

J. P. Cleary & Co. have turned their spacious salesrooms into a holly and wreathing mart for the holidays and it seems to be a wise investment if the visitors are an indication of business.

Waldemar Bart, who is the present owner of the old Roenbeck Place at Bayonne, N. J., which was for years famous for its comprehensive collection of ferns, will open a retail store "up town" during the winter.

On Sunday last between three and four in the afternoon, a fire occurred in the house of Frederick H. Dressel, Hoboken, N. J.; damage to the amount of eight hundred dollars; fully covered by insurance.

Visitors, Benjamin Dorrance, Dorrancetown, Pa.; L. Bonnot, Flemington, N. J., Wm. Coe, representing D. M. Ferry. H. A. B.

Greeting! the FLORISTS' REVIEW wishes you all a happy and prosperous Christmas.

JOHN YOUNG.

Mr. John Young, who was unanimously re-elected to the secretaryship of the Greater New York Florists' Club Dec. 13th, is one of the best known wholesalers on "the street," and besides being an all



John Young.

round good fellow is a member of Columbian Commandery, a Knight Templar, thirty-second degree Scottish Rite Mason, member of Mecca Temple and a Mystic Shriner. We have pleasure in presenting his portrait herewith.

PHILADELPHIA.

The first Quakertown letter to the FLORISTS' REVIEW came from the bustling halls of the chrysanthemum show where victor and vanquished met in friendly greeting after the fray. The second letter evidently beguiled a dull half hour in a store in the center of the city. The scribe can almost be seen as he leans back in his chair, reaches for his telephone to find out the market quotations, and then thinks better of it and turns again to his accounts of the weather and Christmas greens. So in all fairness letter number three should be devoted to the grower who is now nearing his inning, we are told, provided, of course, he is smart enough to take it.

Among the Growers.

Come with me on the breezy turnpike road ten miles out of town, for an hour with one of our best Beauty growers. "Robber Barons' they have been called, either by a wag or some chap who did not know how much brains had to be mixed with hard work when this rose is well grown. Many of us are too busy at this season to see the results of the year's preparation in other places, so I will describe what I saw that morning.

House after house, freshly painted, neat and clean, filled with strong Beauties in perfect condition, full of bloom, every plant tied up in place with plenty of room to grow and doing its fair share of work.

There was no rushing on for the holidays with an excess of heat and moisture. The plants had been well timed to flower at this season and could be kept at their regular temperature, about 60° at night, without fear of their being too late. No one who has not been through the worry and anxiety of getting a crop of flowers at this season can understand how difficult it is; impossible without proper conditions and thorough knowledge. Brains are well paid in every walk of life when properly directed.

Beauty blooms have been in brisk demand in this market. Many have been shipped out of town by the commission men and the large growers, and the quantity consumed by the local dealers is still increasing. There seems less waste in this rose than in any other. Even the short stemmed blooms are eagerly sought, though not at very remunerative prices.

Stock promises to be fairly plentiful this Christmas. I think the demand will equal if it does not exceed the supply, unless the growers make the mistake of holding back their stock too long. The demand for foliage and flowering plants is most encouraging. The latter are likely to be in short supply.

Notes.

The dealers' enemy is the fakir. The growers' enemy is the private gardener who sells some of his stock. This was reversed last week when one of these semi-commercial growers from a nearby state came to this city and gave one of our storekeepers a dreadful tongue lashing because the latter had written in a trade paper that cypripedium "Edwin Lonsdale" was the first native American cypripedium to bloom. "Indeed," the visitor said, "you Philadelphians ought to go to school." This was rather rough as a neighbor of our bright visitor is said to have given the information which caused the rebuke. The storekeeper might have answered by informing his visitor that chrysanthemum Col. Wm. B. Smith is quite as well known and as much appreciated in Philadelphia as in England.

A merry Christmas to you all.

J. W. Y.

The Grower and Buyer Talk.

By the time this appears in print, the trade will be neck and shoulders in the grand annual Christmas maneuvers, and such a time as it is, everybody busy in the extreme, and all hands clamoring for more stuff. The condition of trade now is in this shape: the grower he struts "with that independent air" like the man that broke the bank at Monte Carlo, and quotes figures on his product with a satisfied feeling which truly calls forth a feeling of semi-respect from the buyer. The other side: "Well, Mr. Grower, can't you get prices up a bit higher? We can stand it, but on the dead level don't you

fool yourself, stuff is not so scarce; we are locating all the stuff we can use, and at prices which would surprise you, but we want to do what we can for you, so take this part of my order, and say, you won't go back on me, will you, as I will be in a hole if you disappoint me. See!" There appears a little surface bluff in the game.

Notes.

Our department stores are enjoying simply green decorations, which with the aid of electric lights, and mammoth Santa Claus, attract the public. The plant and flower features do not figure much at this time, later on we will hear from them.

The commission men here are generous in their calendars, which are acceptable to their customers. S. S. Pennock and Edward Reid have sent out very pretty reminders.

A New Wagon.

Messrs. Joseph Kift & Son have flashed upon us a brand new wagon, which is the beau ideal of our Bob. The accompaniment to this new one includes the pair of attendants in fresh livery. Of course there are large coach lamps attached, also rubber tires.

A Bowling Benefit.

The Florists' Bowling Club, of this city, managed a benefit at the Walnut Street Theater, on the 15th inst., which was a decided success financially. The proceeds are to be used by the bowlers.

Mr. John Shellem, Seventeenth and Tasker streets, has taken to the fashion and turned into bed, threatened with pneumonia. We hope he can avoid a serious turn.

Mr. B. F. Dorrance, of Dorranceton, Pa., is in town. Mr. D. thinks business might be worse.

Meeting of Hort. Society.

The regular monthly meeting of the Penna. Horticultural Society occurs on Tuesday evening, 21st inst. Among the other exhibits promised for this time is a number of cypripediums from the famous private establishment of Mr. Roebeling, Trenton, N. J. The devotees to orchids are not numerous, but it is pleasant to note that we have a few in and about this city who spare no expense when gathering together their pets, "the aristocracy of the floral kingdom." F.

CHICAGO.

Among the Wholsalers.

The dark, gloomy weather has cut the supply very short, and a lot of flowers are evidently being held back for Christmas, both factors creating a serious shortage the early part of the week. That there is a real shortage cannot be denied, but it looks very much as though the experience of previous years is going to be repeated, and a lot of held back stock dropped on the market at the last moment, to the loss of both grower and dealer. The bright sunshine that gladdened the growers' hearts Tuesday and Wednesday helped a little, though too late to do a great deal of good.

Sam Rubens, formerly with Kennicott Bros. Co. and A. G. Prince & Co., is still in the Alexian Bros.' Hospital. He has submitted to several operations, and is now reported improving.

Larry Kelly, of Kennicott's, has been placed on ice since the recent holdup, and it is thought he will now keep till after the holidays.

Vaughan, McKellar & Winterson are doing a rushing business in green and are finding it difficult to keep up with their orders. W. W. Winterson, father of Ed. Winterson, is now on a trip to the Pacific coast, and will incidentally look after the interests of the above firm while on the trip.

Bassett & Washburn report a serious shortage in roses, but a good supply of bulbous stock.

E. H. Hunt is doing a brisk business in green and holly, but finds flowers scarce.

E. C. Amling is now established in his new quarters at 51 Wabash avenue. They are much more roomy than at his old place, and he is having them fitted up in first-class shape.

Reinberg Bros. are still cutting those fine La France, and from the way they sell at high prices it would seem that the old La France has not lost its hold on popular favor. It is only the extra grade stock, however, that finds such ready sale. George Reinberg had a serious misfortune last Friday night. A fire destroyed one of his boiler houses, resulting in the burning of the ends of three houses of Meteors and chilling the plants so that the crop for Christmas is valueless, and the total destruction of a crop of smilax in another house. The total loss will run from $800 to $1,000.

W. E. Lynch is getting some good roses in spite of the shortage, but would like more.

Geo. Piepgras can't make up his mind which he dislikes most: An ice box full of flowers and no orders, or a big bundle of orders and an empty ice box. Mr. Winter, of Winter & Glover, says "both." Mr. Winter has met a grower who "is not holding back his flowers," and he trembles for the result.

The Rogers Park Floral Co. show some excellent Meteors, of good color in spite of the dull weather. They find that Beauties suffer in color from dark weather more than the Meteors. They have been trying some of the new carnations and are much impressed with Triumph. They believe it is the winning pink variety and will plant several houses with it another season. They have one flower which has been left on the plant for about a month, which has grown to an enormous size, fully four inches in diameter, losing but little of its color. They have a sport from Triumph, about the color of Tidal Wave.

They will remove their wholesale store to 51 Wabash avenue, room 210, in January. They also intend to build a range of twenty new houses, each 20x250, at Rogers Park next summer. The new glass will be devoted mainly to roses though several houses will be planted with carnations.

A. L. Randall looks for a larger supply of roses at Christmas than generally anticipated, but fears a shortage of carnations.

Next Club Meeting.

A very attractive program is being arranged for Ladies' Night at the Florist Club, Jan. 13. Every member should be present, and bring his wife, sister or sweetheart.

BUFFALO.

Bright Prospects for Christmas.

For once in quite a while we are going to have seasonable weather for Christmas. The ground is covered several inches deep with its white overcoat, sleigh bells are tinkling, everybody buying presents for everybody else, and all feeling good, including the florist, if the sun will only shine. As remarked last week, the demand for plants is going to be good, and now it looks as if everything in the way of a pretty plant in flower would be picked up. Rubbers, araucarias and palms are in good demand. Flower orders always come late, and the best are often the very latest.

Stock Likely to be Scarce.

It seems at this moment that the leading flowers are going to be quite scarce. We shall see, I trust, for those who have to buy, that the prices will not be such that customers will have a fit at the very quotations. Violets are sure to bring a good price for there are not many grown round here, and when they come from a distance they have lost the charm that makes a flower buyer value them. The leading churches are decorating about as usual, and every night for a week or two to come, our fashionable Twentieth Century Club rooms are engaged for our 400 to shake their light fantastic toe.

At Corfu.

We went to Corfu a few days ago and found T. A. Webb with a fine lot of carnations showing up, mostly Daybreak, Scott, his sport of White Daybreak and his Seedling Scarlet. He has almost a house of it and it improves on acquaintance. It began to snow heavy and I had to run for shelter but I did find that Oasis mentioned in a previous number and the spot of joy was covered with 5,000 or 6,000 fine Marie Louise violets of A 1 quality. They will rank with those that one of our local commission men calls in his Christmas list "Hudson Specials," $4.00 per hundred. The same list has "carnations fancy, $8.00 per hundred." This may do for Tremont street, Fifth avenue or Washington, D. C., but is too rich for rural New York. What's the retailer going to charge?

A Swindler Visits Our City.

A swindler has been round among the florists and victimized one of our leading retailers. His plan of campaign has not fully reached me. He asks for a loan of a dozen palms, averaging in value $4 to $6. As the boss of the store is very busy

he kindly says he will go on the wagon with the driver himself and gives the name of a reputable citizen. Off goes the wagon, driver, swindler and palms. He then tells the driver he will unload the palms *here* in front of a house having no connection with the name of the person used and to come for them in the morning. It is supposed that in a few moments another wagon drives along, loads up the palms and they are quickly peddled out at of course a sacrifice price to the peddler, yet the transaction pays him. A detective recovered almost all of them, but even if he did, it is very disagreeable. Florists are not often a victim to that kind of swindler, not because they are the least bit more astute than other merchants, but their goods are not so readily converted into ready cash. I am sorry I cannot give you a description of the man, but he is said to have had a Kentia Belmoreana attire, a Caryota urens expression, and a Brahea filamentosa beard, with the disposition of a Pandanus utilis. W. S.

BALTIMORE.

Christmas Indications.

One by one the floral establishments are donning their holiday regalia, and it is very interesting to note the many different and tasty arrangements which the same general class of stuff is made to undergo. It is quite remarkable that at this season of the year we should be having such spring-like weather. In fact, it seems as if we were having two holidays in one; and to augment this delusion one has only to look into the florists' windows, where Harrisii and longiflorum lilies, azaleas, ericas, and a great many more typical Easter flowers are sharing the honors with Japanese oranges, metrosideros, ardisias, cyclamens, orchids and every other seasonable novelty. The Christmas sign boards, such as holly, mistletoe, southern smilax, magnolia-foliage, red wreaths, stars, etc., are also with us in profusion.

Supply Short—Prices High.

The wholesale market is demoralized. The commission houses are very slimly stocked and the prospect for a good supply is no better now than last week. Prices on all available stuff have taken an upward jump and are steadily on the rise. Violets and carnations can only be had at the approximate Christmas rates. A few days more though will tell whether this seeming scarcity of stuff in general is real or whether the growers are only holding back to flood the market next week. As this has often been done before in our city, one cannot be censured for suspecting this fright to be only another false alarm. By the time these lines go to press, the craft of the U. S. will be reaping their first harvest of the season. Let us hope for a prosperous one.

Meeting of Gardeners' Club.

Monday evening, the 13th inst., proved an eventful and memorable one for those who were present at the meeting of the Club. At the roll call the boys made a good showing; for in honor of our Washington guests many were there who had not attended for months. President Pentland being late, vice-president Moss, the early part of the evening, filled the chair. Those who comprised the district delegation were: Messrs. Jos. R. Freeman, Robt. Bowdler, Chas. F. Hale, Jno. Boyle, Wm. H. King, Harry Lewis and J. M. Wood.

Discussion of Free Distribution of Cut Flowers.

After an impromptu introduction by Mr. E. A. Seidewitz, of our club, these gentlemen soon got down to the business of their mission, namely: to protest against the government's free distribution of cut flowers, plants, etc., to members of congress and other influential persons, which practice has now grown to such an extent as to cripple the legitimate trade. Mr. Freeman acted as chairman and expressed himself in a very lucid and concise manner. He said in part: "'God helps those who help themselves,' and as the people of Washington are only political units, with no voice in politics, they, who like ourselves, have a living to make, are obliged at the time of defense to seek foreign assistance. It is solely to enlist your sympathies and ask an extended hand of brotherhood towards our cause that brings us to your city this evening. The fact is those who have control of the public grounds in Washington, are always ready to oblige anyone to whom they may be under obligations or with whom they may desire to curry favor, by donating the flowers, palms, etc., grown in the Botanical Gardens, the Smithsonian, and White House grounds, to congressmen, senators, army officers, foreign diplomats and others. The practice is in direct violation of the law which was passed in the 45th Congress, second session, 1877-1879, volume 20, page 220, when the appropriation for the production of plants and flowers was first made.

"It said: 'For ordinary care of greenhouses and the nursery, $1,500, provided that hereafter only such trees, shrubs and plants shall be propagated at the greenhouses and nurseries as are suitable for planting in the public reservations, to which purpose, only the said productions of the greenhouses and nurseries shall be applied.'

"In those days, when the public reservations were nothing but barren lands, and there were only a few greenhouses, it did a great deal of good to have congress interested in their welfare, for from time to time this appropriation was increased, which gave more scope towards the city's general improvement. It has now, however, reached the enormous sum of $90,000 per annum which is more than enough to meet the general expense of keeping the parks, etc., in first-class order were it not for this objectionable cut flower department. At present nine-tenths of the two acres of glass which the government controls is devoted to smilax, asparagus, carnations, roses (of all kinds), azaleas, swainsona, valley, tulips, hyacinths, narcissus, decorative palms, etc. The cut flower portions of the above go to make up select boxes, 6,000 of which are monthly distributed among the wealthy and influential who could amply afford, and would buy from the trade, were it not for this evil. The balance go towards their decorations when needed.

"Col. Theodore Bingham, who is in charge of the public buildings and grounds, gave us no satisfaction when we called on him. He said that it was a custom of long standing, to give flowers away to certain persons and congressmen and that he could not change it. As a matter of fact, the public squares are a disgrace to the city and nation, while the major part of the liberal appropriation is really being given away, with the eventual result of the extinction of the florist trade both in the city and district."

After a general debate upon the subject, the following resolutions, drafted by Messrs. E. A. Seidewitz, F. G. Burger, and Wm. McRoberts, Jr., were unanimously adopted. "Resolved, that this organization reprobates and protests against the existing and further growing practice of the free distribution, to officials and private persons, of cut flowers, decorative and flowering plants, in the District of Columbia by the sub-departments of the U. S. Government as contrary to justice, to the correct principles of business and public polity, as well as the very letter of the law governing the production of plants, etc., adapted to the use in the public ground; and also as working great detriment to the florist trade of Washington and vicinity." Copies of the above are to be sent to Col. Bingham and the Maryland senators and congressmen.

Roses on Exhibition.

Two beautiful varieties of roses were exhibited at the meeting, winning general admiration; one, a sport from LaFrance, of a deep pink, grown by Mr. I. H. Moss, of Govanstown, and the other an unusually fine specimen of LaFrance grown by Madsen and Andersen.

C. F. F.

BOSTON.

Preparations for Christmas.

Business has been very dull this last week, and shipments have come to hand lacking in quality and color on account of the very rainy and dull weather we have been having throughout New England. Great preparations are being made by all the florist stores in decorations, some of which are of a very elaborate nature, with anticipation of a very busy week, and if the weather is favorable good results are sure to ensue.

Visitors.

Mr. E. F. Crumb, representing Charles H. Childs & Co., Utica. N. Y., was in Boston offering to the seed houses and other dealers a new "Electric" sprayer. He claimed it to be an improvement on other inventions as it had great force and threw a very fine spray, and said any insecticide could be used with his machine.

E. J. Harmon of Portland, Maine, was visiting Boston purchasing stock for Christmas. C. H. J.

Resume of the Work of the Chrysanthemum Society of America for 1897.

Name	Where Shown	Date	Exhibited by	Color	Type	Scale	Color	Form	Fullness	Stem	Petalage	Size	Distinct	Foliage	Total	Remarks
Ben Nevis	New York.	Oct. 16	Wm. Anderson, Mamaroneck, N. Y.	Creamy White	Jap Ref.	C	15	20	15	10	7	13	..	..	80	Streaked with pink—short broad petal.
Mrs. Arthur J. Caton	"	" "	W. N. Rudd, Mt. Greenwood, Ill.	Light mahogany	Jap	C	5	10	15	10	5	10	.	..	55	
" " "	Boston	" "	" " " "	Light gold reverse	"											Face of petal redd sh orange, reflex orange yellow.
" " "	Phila	" "	" " " "	Reddish yellow	"	C	15	18	12	10	8	12	..	..	75	
" " "	"	" "	" " " "	Bronze	Jap Ref.	C	18	25	15	10	8	12	..	..	88	
" " "	"	" "	" " " "	Bronze	" "	E	12	15	10	10	..	12	22	10	91	
" " "	Cincinnati	" "	" " " "	Bronze	Jap	E	8	6	10	10	..	11	20	10	75	
Miss Clara Nevin	New York.	" 23	Wm. Hillebrecht, Union, N. J.	White	Jap Ref.	C	23	18	10	8	8	5	..	..	72	
*Peter Kay	"	" "	Robert Laurie, Newport, R. I.	Amber yellow	Jap	C	20	22	13	9	8	15	.	..	87	
Boundless Snow	Cincinnati	" 16	E. G. Hill & Co., Richmond, Ind.	White	Not giv'n	C	20	25	15	9	6	12	..	..	87	For H. Yoshike, Oakland, Cal.
Solar Queen	New York.	" 23	" " "	Yellow	Jap	C	23	21	12	10	7	13	..	..	86	Slightly inc.
" "	Chicago	" "	" " "	Light yellow	Jap Inc	C	22	22	12	10	9	13	..	..	88	
H. W. Longfellow	"	" "	" " "	White	" "	C	20	22	13	9	8	13	..	..	85	Pink shadings on lower petals.
" "	New York.	" "	" " "	White	" "	C	22	22	15	10	5	8	..	..	82	
Australian Gold	"	" "	" " "	Light yellow	Jap	C	23	23	15	7	9	14	.	..	91	
" "	Chicago	" "	" " "	Light yellow	Jap Inc	C	18	20	12	6	8	13	..	..	77	
R. W. Emerson	"	" "	" " "	White	" "	C	15	22	13	9	8	13	..	..	80	Shading to yellow in center.
Bessie Hollis (No. 2)	Phila	Nov. 13	" " "	Deep yellow	" "	C	23	20	14	10	8	12	..	..	87	
" " "	"	" "	" " "	Deep yellow	" "	E	14	13	10	10	..	13	20	8	88	
" " (No. 1)	New York.	" "	" " "	Yellow	" "	C	20	10	13	8	6	10	..	..	67	
" " (No. 111)	Chicago	" 12	" " "	Yellow	" "	C	24	18	13	9	6	13	..	..	83	
Autumn Glory (No. 3)	Phila	" 13	" " "	Pink	Ref.	C	23	21	14	9	8	12	.	..	87	
" " "	"	" "	" " "	Pink	"	E	14	13	9	9	..	12	21	8	86	
" " "	New York.	" "	" " "	Shell pink with fleshy shadings	Jap Ref.	C	22	20	15	8	8	14	..	..	87	
" " "	Cincinnati	" "	" " "	Light salmon pink	Jap	C	22	22	13	9	8	13	..	..	87	
" " "	Chicago	" 12	" " "	Pink	Jap Ref.	C	23	22	13	8	8	13	..	..	87	
Black Hawk	"	" "	" " "	Intense crimson	Jap	C	25	22	14	5	8	11	..	..	85	
Madison	"	" 20	" " "	Bronse	Jap Inc	C	19	19	13	8	7	13	..	..	79	
" (No. 2)	Cincinnati	" 13	" " "	Yellow shade bronze	Jap	C	21	18	12	9	6	12	..	.	78	
No. 1	"	" "	" " "	White	"	C	22	19	12	8	8	13	.	..	82	
Niagara (No. 169)	"	" 20	" " "	White	Jap Inc	C	20	18	14	9	7	13	..	..	81	
Pennsylvania	"	Oct. 16	Hugh Graham, Philadelphia, Pa.	Beautiful shade of light yellow	" "	C	23	23	13	8	8	12	..	.	87	
"	New York.	Nov. 6	" " "	Canary yellow	" "	C	24	23	13	8	10	12	..	..	90	Sport from Phila.
"	Boston	" "	" " "	Sulphur yellow	" "	C	25	25	12	6	10	12	..	..	90	
"	Phila	" "	" " "	Yellow	" "	C	23	24	14	8	9	13	..	..	91	
"	"	" "	" " "	Yellow	" "	E	13	15	9	8	.	13	23	8	89	
"	Chicago	" 9	" " "	Yellow	" "	C	22	23	13	6	9	13	..	..	86	
Mrs. O. P. Bassett	"	Oct. 23	Bassett & Washburn, Hinsdale, Ill.	Light yellow	" "	C	20	22	13	9	8	13	.	..	85	Sport of Mrs. H. Robinson.
Sea Foam	New York.	" 30	D. Wm. Brainard, Thompsonville, Conn.	Cream	Jap Ref.	E	7	3	3	6	..	6	0	6	31	
J. R. McDonald	"	" "	John Marshall, Purchase, N. Y.	Canary yellow	Inc	C	23	20	13	9	4	12	..	..	81	
Matterhorn	"	" "	Peter Henderson & Co., New York.	White	Jap Ref.	E	13	12	10	7	..	10	15	8	75	
Klondike	"	" "	" "	Rich yellow	" "	E	15	12	10	8	..	12	5	6	68	
Mrs. C. F. Diehm	"	" "	" "	White	Jap Inc	E	5	7	10	8	..	10	10	6	56	Frequent lilac pink suffusion and markings.
Florence Turner	"	" "	" "	Amber	" "	E	10	10	8	6	..	7	8	6	55	
Mrs. Wm. Massie	"	" "	" "	Rosy pink	" "	C	20	20	15	8	8	10	..	.	81	
" "	"	" "	" "	Rosy pink	" "	E	12	13	10	9	..	12	15	9	80	
Col. D. Appleton	"	" "	J. R. McDonald, Riverdale, N. Y.	Yellow	" "	C	20	12	10	8	6	10	..	..	66	
Grace E. French	Boston	Nov. 2	Geo. Hollis. So. Weymouth, Mass.	Cream white	Ref.	E	15	13	8	10	..	13	18	10	87	
Frank Hardy	New York.	Nov. 6	A. Herrington, Madison, N. J.	White	Jap Inc	C	22	23	15	10	10	15	..	..	95	English importation, irregular and twisted petals.
" "	Phila	" "	" " "	Creamy white	" "	C	23	23	12	10	9	12	..	..	89	
" "	"	Nov. 10	" " "	Creamy white	" "	E	13	13	9	10	..	13	22	8	88	
" "	Chicago	" 6	" " "	White	" "	C	23	23	14	10	9	14	..	..	93	Whorled
" "	Boston	" "	" " "	White	" "	C	25	21	15	10	8	15	..	..	94	
Kineo	"	" "	C. S. Goddard Est, Woodfords, Me.	Yellow shaded orange	Ref.	C	23	18	12	10	7	10	..	..	80	Cross bet. Ivory and H. Sunderbruch, dwf. grower, fine foliage—if early of value—not up to standard for medium or late.
Ophir	"	" "	" " "	Deep yellow	Jap	E	15	15	10	7	..	12	15	10	84	
Silver Wedding	New York.	" 13	W. G. Gomersall, Fishkill, N. Y.	Pure white	Jap Ref.	C	25	18	10	5	8	10	..	..	76	
Chas. W. Crouch	Cincinnati.	" "	Chas. W. Crouch, Knoxville, Tenn.	Magenta pink	" "	C	20	21	14	9	8	13	..	..	85	
Iowa	Chicago	" 12	Jno. Beimford, Milton, Iowa.	White	Jap	C	21	17	12	6	8	10	..	..	74	
Mrs. E. N. Roth	Cincinnati	" 13	J. A. Peterson, Cincinnati, O.	Canary yellow	Jap Inc	C	20	21	13	7	8	12	..	..	81	
Mrs. Sam'l Higdon	"	" "	" " "	Blush white	Jap	C	21	20	14	8	10	14	..	..	87	
Snow Queen	Chicago	" 6	F. Dorner & Sons Co., La Fayette, Ind.	White	"	C	24	22	14	7	8	10	..	..	85	
Mrs. C. H. Peirce	"	" 20	" " "	Deep yellow	"	C	24	24	14	9	8	11	..	..	90	
" "	Cincinnati	" "	" " "	Yellow	Jap Ref.	C	23	21	14	9	8	12	..	..	87	
" "	Phila	" "	" " "	Yellow	Inc	C	23	23	15	10	8	11	..	..	90	
" "	"	" "	" " "	Yellow	"	E	13	14	10	10	..	11	20	9	87	
" "	Boston	" "	" " "	Bright yellow	Jap	C	25	22	15	9	8	12	..	..	91	
Mrs. W. B. Brown	Cincinnati	" "	Theo. Bock, Hamilton, O.	White	Jap Inc	C	22	21	14	9	8	10	..	..	84	
" "	Chicago	" 27	" " "	White	Chinese	C	20	20	12	8	8	10	..	..	78	
Alice F. Carey	Phila	Nov. 6	Robt. G. Carey, Chestnut Hill, Pa.	Light pink	Jap Ref	C	18	17	15	10	8	10	..	..	78	

*Note.—Since judging Peter Kay it has been ascertained that this variety is synonymous with Jeannie Falconer, hence certificate will be withheld.

As there are several yellow sports from Mrs. Jerome Jones, and one of which (Henry Nanz), is in ommerce, it is deemed advisable to withhold certificate on the variety Mrs. George F. Baer until its distinctiveness can be determined.

Elmer D. Smith, Secy.

Resume of the Work of the Chrysanthemum Society of America for 1897.—Continued.

NAME	WHERE SHOWN	DATE	EXHIBITED BY	COLOR	TYPE	Scale	Color	Form	Fullness	Stem	Petalage	Size	Distinct	Foliage	Total	REMARKS
Alice F. Carey	Phila.	Nov. 6	Robt. G. Carey, Chestnut Hill, Pa.	Light pink	Jap Ref.	E	11	13	10	10	.	11	23	9	87	Height 3½ ft.
Robt. G. Carey	"	" 13	" " "	Creamy white	Jap Inc.	C	25	22	14	8	8	13	..	..	90	
" "	"	" "	" " "	Creamy white	" "	E	13	13	9	8	..	13	22	7	85	
Spottswood	"	" 20	" " "	Light yellow	Inc	C	23	23	14	10	9	12	..	..	91	
"	"	" "	" " "	Light yellow	"	E	12	14	10	10	..	12	22	8	88	
Gladys Vanderbilt	"	" 6	Jno. N. May, Summit, N. J.	Creamy white	Jap Ref.	C	23	23	15	8	10	13	..	..	92	
" "	"	" "	" " "	Creamy white	" "	E	13	13	9	8	..	13	23	9	88	
Minnewaska	"	" 20	" " "	Pink	Jap	C	18	20	14	9	9	11	..	..	81	
"	"	" "	" " "	Pink	"	E	12	12	9	9	..	10	16	9	77	
Dolores	"	" "	" " "	Not given	Not giv'n	C	21	21	11	10	8	13	..	.	84	
"	"	" "	" " "	Not given	" "	E	12	13	10	10	..	12	18	8	83	
No. 57 Zenta	Cincinnati	" 6	N. Smith & Son, Adrian, Mich.	Straw yellow shading to white	Jap	C	18	18	11	7	7	12	..	..	73	
Arline	"	" 20	" " "	White	Jap Inc.	C	22	22	14	9	7	10	..	..	84	
"	Boston	" "	" " "	White	Inc	C	25	18	15	10	7	12	..	..	87	
"	"	" "	" " "	White	"	E	15	12	10	10	..	15	18	10	90	
Thornden	"	" "	" " "	Deep chrome yellow	Jap	C	25	23	15	6	8	15	..	..	92	Entirely distinct and
"	"	" "	" " "	Deep chrome yellow	"	E	15	15	10	8	..	15	25	6	94	new in form.
Rustique	Cincinnati	" "	" " "	Bronze yellow	Jap Inc.	C	16	18	12	8	6	13	..	..	73	
"	Chicago	" "	" " "	Light bronze	" "	C	22	21	12	9	8	13	..	.	85	
Stelleta	"	" "	" " "	Yellow	Jap Ref.	C	24	19	13	5	8	14	..	..	83	
Merza	"	" "	" " "	White	Jap Inc.	C	24	22	13	7	7	12	..	..	85	
Our Dear Friend	Phila.	" 27	W. K. Harris, Philadelphia, Pa.	Canary yellow	" "	C	20	23	13	9	10	14	..	..	89	
" " "	"	" "	" " "	Canary yellow	" "	E	12	14	8	10	..	14	22	8	88	
Mrs. Geo. F. Baer	"	" "	Ferdinand Heck, Reading, Pa.	Light yellow	" "	C	20	23	14	9	10	14	..	..	90	Sport from Mrs. J. Jones.
" " "	"	" "	" " "	Light yellow	" "	E	12	14	9	10		13	23	9	90	
W. H. Chadwick	"	" "	Grove P. Rawson, Elmira, N. Y.	Blush white	" "	C	22	22	14	10	8	13	..	..	89	
" "	"	" "	" " "	Blush white	" "	E	13	13	9	9	..	13	23	9	89	Some blooms show a
" "	New York	" "	" " "	White	" "	C	21	21	15	9	8	12	..	.	86	pink suffusion.
" "	Boston	" "	" " "	White	" "	C	22	23	15	9	8	15	.	..	92	With rosy tinge under
" "	"	" "	" " "	White	" "	E	13	12	10	9	..	15	24	10	93	certain conditions.
" "	Chicago	" "	" " "	Pearly white	" "	C	23	24	14	10	8	14	..	..	93	Inside petals tinted pink.

ST. LOUIS.

Stock will be Scarce for the Holidays.

The first snow storm of the season visited us Thursday evening, some two inches of snow and sleet falling. The weather for the past few days has been quite cold and as a consequence all kinds of cut flowers are quite scarce with the demand very good, all the stores having about all they can do. Unless all present indications are misleading the supply of cut flowers for Christmas will be decidedly short, as almost every grower seems to be off crop.

Prices Have an Upward Tendency.

Roses have not been plentiful and the indications all point to full holiday figures on all varieties. American Beauties are very scarce and the few that are coming in are selling at top prices. Good Meteors are also scarce, nearly all that come in are bull heads and black in color. The Woottons are all off color and almost too pale to be sold for a red rose. The best Meteors are selling at $12, Wottons, $4 to $8. Good Brides and Maids are sold at from $8 to $12, and for the best Kaiserin the price is the same. Perles are selling at $5, and for the very best the price is $8.

Of carnations there is a fair crop for the present demand, with prospect of a short supply for the holidays. Scotts, Daybreaks, and all whites bring $3 per hundred. Jubilee and Eldorado, of which Henry Aue is our most successful grower, bring $4 and $5. Of course, all colored sorts will be more in demand than white for the holidays.

The supply of violets will probably not exceed the usual daily receipts, as the demand has been steady and there has been no chance for a quantity to accumulate. The best California violets that come to this market are grown by the South Park Floral Company, of New Castle, Ind., and by Frank Fillmore and A. Berdan, of this city.

Romans and paper whites will be in fairly good supply for Christmas. The present price is $3 for the best, and the chances are that by the end of the week they will go up to $4 and $5 per hundred. Harrisii and callas are selling at present from $12.50 to $18.00. Valley is very scarce at $5.

Stevia seems to have come in for the holidays just in the right time and is of good quality and fairly abundant. In mignonette the market is good. The fine stock of Andrew Meyer is now ready to be cut and will demand the top price for holiday week. Some very fine bouvardia is being sent to this market by E. W. Guy, of Belleville.

Retail Circles.

In retail circles it is reported that business is improving and all are hopeful of a satisfactory holiday trade. Business looks promising so far as Christmas greens are concerned, as some very large orders have been placed for both lycopodium and holly. Holly seems to be of good quality this year.

A great deal more could be said but at this time of the year time is valuable. I will close my letter for this week by wishing all the readers of THE WEEKLY FLORISTS' REVIEW a Merry Christmas and Happy New Year.

Personal Items.

Mr. Heller, of the South Park Floral Co., New Castle, Ind., will spend Christmas in St. Louis. There is some great attraction in the west end for Mr. Heller. The late flower show did all this.

Fred Ostertag has left Indianapolis and has located again in St. Louis. Fred has opened up a store at 717 Vandeventer avenue; glad to have you back, Fred.

The Bowling Club rolled its usual three games Monday night, but only a few were in attendance. Charles Kuehn, as usual, was high man with 577, his high single score was 245; C. C. Sanders was second with 508, high single score 195; J. W. Kunz, third, with 478 and a high single score of 191. Next Monday night we expect a full attendance as the busy time will then be over.

J. J. B.

PITTSFIELD, MASS.

Jno. White is one of the few who finds a spare corner for that old favorite, the camellia, about whose character there is something both majestic and chaste. At time of my visit Mrs. White was making up a handsome bunch of callas, using small branches of the camellia as green. The effect was far superior than if the foliage of the calla were used. The blooms are always acceptable for funeral designs. Mr. White has opened his uptown store for the season, placing in charge his niece, a lady of excellent taste and business ability.

F. I. Drake considered that a gleam of sunshine was the most welcome guest he could entertain just now. He has a capital stock for Christmas and reports a satisfactory Thanksgiving. W. M.

WASHINGTON.

Baltimore Joins In.

The committee appointed at the last meeting of the Commercial Florists' Association, of Washington, composed of J. R. Freeman, John Boyle, Chas. F. Hale, W. H. King, Robt. Bowdler and Messrs. Lewis and Woods, visited Baltimore last Monday evening to attend a meeting of the Gardeners' Club of that city. The trip was the result of a statement made by Col. Bingham, superintendent of Public Buildings and Grounds, that he did not believe the florists of other cities shared the views of their Washington brethren regarding the free distribution of flowers and plants raised in government gardens and conservatories.

The Baltimore Club invited the growers of this city to send a committee to personally ascertain their views. The Washington men were given a cordial reception and the subject of government distribution was discussed in all its phases. The following resolution was adopted unanimously:

"Resolved, That this organization reprobates and protests against the existing and still further growing practice of the free distribution to officials and private persons, of cut flowers, decorative and flowering plants in the District of Columbia by the sub-departments of the United States government as contrary to justice, to the correct principles of business and public polity, as well as the very letter of the law governing the production of plants, et cetera, adapted to use in the public grounds, and also as working great detriment to the florist trade of Washington and vicinity."

We think every florist in the United States should interest himself in this fight, and I feel sure were they made acquainted with the true situation they would, to a man, enter as vigorous a protest as have our Baltimore brethren. We of the District of Columbia are nonentities, without representation in Congress. Therefore we must look to our brother florists who have a vote, to assist us.

Growers' Notes.

To see neatness and well grown stock describes the greenhouses of genial Joe Freeman, at Silver Springs, his house of Bridesmaid being particularly fine, such blooms being unusually large for this section. A house of cyclamen in 8 and 10-inch pans were the finest I ever saw for size of plant and flower, a perfect sea of color.

John Boyle, who leased the late John Saul's place, did not get possession until late in the season. Yet John is rushing things, having nearly all the houses filled with tomatoes and cucumbers which promise good crops. John has a new violet. The flower is a trifle darker than Lady Campbell, bloom large and on long stems. The plants are vigorous and strong. There were plants of Marie Louise growing along side of it with a fine dose of spot yet the new one seemed proof against contagion.

Mr. Clark has a house of President Carnot roses planted in solid beds, which have been exceedingly profitable this fall. He has opened up the house to give them a touch of winter and expects good results from this treatment.

Gude Bros. seem to be the only growers who will be in full crop Christmas, with the exception of a house of Meteors.

Several growers added the new carnation White Scott to their stock this season, and with all it has been not only disappointing but worthless.

For a week preceding Christmas there is a calm in the florists' business. The great throngs are busy buying presents and shopping. The storm will break by the end of the week and the florists will be in a veritable cyclone. W. H. K.

ST. PAUL, MINN.

Calm Before a Storm.

Trade here has experienced a little of the dullness which precedes the holiday rush, but in general business for the past two weeks has been satisfactory. We have had some "dark" weather and a number of days of severe cold, but so far during the month December has had less cloudy days than the average, consequently blooming stock here is in good condition and the cut for Christmas will be good; larger than the average for several years. Of course some of the growers do not time their crops just right, and others fail through carelessness or "too much economy" in the use of coal.

Christmas Greens.

Advance orders for Christmas would indicate the usual volume of trade for that occasion. Greens have sold unusually well, the demand for holly and wreathing being larger than ever. Of lycopodium the supply seems inexhaustible and prices are lower than ever. Holly is in fair supply though a shortage is imminent for the end of the week trade. Southern stock is handled chiefly by the produce commission men, while the regular florist trade handles Delaware stock exclusively. Being near the pineries and spruce woods, immense numbers of Christmas trees are brought here. This trade is not handled at all by the florists, the most of it being done by small dealers throughout the city.

Retail Prices for Christmas Week.

Retail prices for Christmas week are quoted as follows: American Beauties, 75 cents to $1.50 each; other roses, $2.00 to $4.00 per dozen; carnations, Romans, paper whites and valley, 75 cents to $1.00 per dozen; violets, $3.00 to $4.00 per 100; Harrisii, 25 cents each.

Supply of Blooming Plants.

In the plant line there is a good supply of Harrisii (the finest ever seen in this market), azaleas, cyclamens, primroses, cinerarias, begonias, etc. There is also a good supply of palms. ferns, etc. In the larger florist stores, jardinieres, pedestals, fern dishes, artificial plants, immortelle designs, etc., etc., are seen, so that department store bargain tables are almost duplicated. And yet so many of our friends, especially in Illinois, bewail the evils of this so-called commercial Octopus, which is swallowing up all other lines of trade. The truth is that hardly any store, however small, in business today, but what is a department one in a greater or less degree.

Among the Growers.

R. C. Seeger, who commenced business in a small way several years since, now has 6,000 square feet of glass and is counted as one of our most successful growers. His house of roses, just coming in crop for the holidays, is one of the best we have seen. Varieties grown are Bride, Bridesmaid, Perle, Wootton, Testout and Siebrecht, most of his plants having been carried over from last year. The growth is something remarkable. His greenhouses are located on Gorman avenue on the West Side.

Another West Side grower, on whom we called, is C. F. Haupt. His specialty is violets, and he has a house of Marie Louise, which would be very hard to beat anywhere. Mr. Haupt is a living example of what industry, pluck and perseverance will accomplish under adverse circumstances.

A. H. Bunde is bringing in some fair sized mums and expects to cut them until New Years.

Jno. Nilsen has a good crop of violets for the Holidays. He never misses them for that occasion,

Dr. Schiffman, who has one of the finest collections of orchids in the country, intends to go to Central America next month on an orchid collecting tour.

Chris. Hansen, who has been in business here about nine years, is offering his entire range of houses for sale. Mr. Hansen has been very successful in business but wishes to retire owing to poor health. X. Y. Z.

SYRACUSE.

Club Election.

The Central New York Horticultural Society met in annual session at the St. Cloud Hotel. A. D. Perry, who has served as president of the society for a number of years, presided, and in his annual address asked that his successor be chosen on this occasion, as it would be impossible for him to longer fill the position. It was with reluctance that the society complied with Mr. Perry's request. On the first ballot Mr. Perry was re-elected, but as he positively refused to accept, it was found necessary to make another selection, and Samuel T. Betts was chosen as Mr. Perry's successor. The whole ticket as elected was as follows: President, Samuel T. Betts; vice-presidents, A. D. Perry, C. W. Snow, E. A. Powell, F. C. Brower, L. E. Marquisee, and W. Judson Smith; treasurer, F. H. Ebeling; secretary, D. Campbell; executive committee, George Ham, Robert Bard, C. Barson, W. Parsons, I. Heller, and J. L. Porter.

The retiring president stated in his address that better work had been accomplished during the past year than ever before, and the attendance at the flower show was one-third larger than on previ-

ous occasions. Mr. Ebeling, the treasurer, stated that after everything was paid there was a balance of $34.85 in the treasury.

Certificates of Merit Awarded at Late Show.

Certificates of merit were awarded to the following florists for exhibits at the flower show: F. C. Baker, Utica, for a red seedling carnation and pink seedling carnation; Nathan Smith & Son, Adrain, Mich , chrysanthemum Thornden; E. G. Hill & Co., Richmond, Ind., four certificates for four seedling chrysanthemums; Stollery Bros., Chicago, carnation Argyle; L. E. Marquisee, Syracuse, four certificates for carnation seedlings and one for yellow chrysanthemum not yet named. A large vase of chrysanthemums and two vases of roses decorated the assembly room, being the gift of Grove P. Rawson, of Elmira.

Entertainment.

At the close of the afternoon business session, the members adjourned to the dining room, where supper was served. The newly elected president, Mr. Betts, and Mr. Rawson occupied seats at the head of the table. Others at the table were Messrs. Rose, Brower, Morey, Brown, Marquisee, Hunn, Perry, Grant, Hitchings, Mills, Woodford, Barson, Strowbridge, Vrooman, Phillips, A. Bellamy, H. F. Bellamy, Bechstadt of Oswego, Campbell, R. Bard, Hullar, Ham, T. Hopson, J. L. Porter, D. L. LeRoy, Ebeling, Rev. W. M. Beauchamp.

At 8 o'clock the session was continued in the assembly room. Short addresses were made by Rev. W. M. Beauchamp, D. D., of Baldwinsville, whose subject was "Ferns;" Prof. S. A. Beach, of the Geneva Experimental Station, "Hydrocyanic Gas for Fumigating Greenhouses;" Prof. C. E. Hunn, of Cornell, "General Work of Horticultural Department at Cornell;" Grove P. Rawson, a short informal talk on topics of interest to florists. The remarks of all the speakers were instructive and interested all the horticulturists who were in attendance.

Condition of Stock.

The last four weeks we have had nothing but dull weather, so that roses are short, as are also carnations in most places. Henry Burt and L. E. Marquisee have a very good lot. Burt's Flora Hill and Alaska are fine, while Marquisee's Daybreak, Jubilee, Lizzie Gilbert, Meteor and Outcast are excellent, as well as a house full of seedling carnations full of good blooms. There are not many flowering plants, but palms and other decorative plants for Christmas are in fine shape. Holly is good this year and sells well. It looks as though the florists were going to have a good Christmas trade.

THE WANDERER.

ALBANY, N. Y.

The old saying that "'Tis an ill wind that blows no good to someone" was illustrated in H. G. Eyres case some time since, only this was a fire which destroyed the adjoining store and came very near putting our friend's place out of existence. At the same time on the burned site has been erected a handsome stone building, and Brother Eyres, not to be behindhand, beautified his store front to correspond, by tiling the ceiling and putting in incandescent lights, in addition to an arc light. The effect can be seen fully two blocks off, the window being kept well dressed with a choice assortment of stock, banked with palms, making a handsome effect. Speaking of effects, the richest attempt will be tried at Christmas when Mr. Eyres will decorate St. Peter's church in scarlet and green, using large numbers of poinsettias, both cut and in pots, combined with holly, green and palms. Receptions, entrees into and exits from this busy sphere has kept the whole force working early and late for some time past and warrants the prediction of a continuance right into Lent. Amen, say I, and let us all have a share of the rush.

Those fine Beauties from T. J. Totten of Saratoga are bringing the price such elegant stock should bring.

F. A. Danker has succeeded the Capital City Floral Co. in Maiden Lane. He has considerable experience in the business, is very enthusiastic and will in this case help the retail business rather than unfortunately as in some cases, hinder the good work.

Sam Goldring is a big Elk and on Sunday last decorated the smaller Elks and the Leland Opera House, in his inimitable manner, for the annual memorial service. The wreath composed of forget-me-nots was hard to get, but he got it and it showed up finely. The hornets' nest hanging conspicuously in his store window, and which has been the cause of much alarm to his lady patrons, will be presented to a Broadway fellowcraftsman.

I had almost omitted mentioning a happy conceit noticed at Henry Eyres', and which is, I understand, original. It is an address label, in shape a violet leaf, and of violet color for violet boxes.

W. M.

TORONTO.

A Twenty-Four Hour Snow Storm.

"Our Lady of the Snows" is making another attempt to bring the winter along. She has favored us now with a twenty-four hour snow storm and pushed the mercury in the thermometer down pretty near zero. She seems very much like other ladies, bound to have her own way sooner or later. Well, if she will let us have our own way on Christmas eve we will forgive her this time. A mild day before Christmas makes a great deal of difference to the amount of trade done, and there is, of course, not nearly the time spent in wrapping up and protecting.

Stock Scarce — Prices Correspondingly High.

As far as I can ascertain from observation and inquiry, it does not appear that the supply of cut flowers is going to be any too abundant this year. The dull weather we have been getting so much of lately has retarded the crops considerably. If the few days between now and Christmas day are sunny it would help a great deal, but it does not look like it at present.

Prices are advancing considerably and will probably take another jump before Christmas. Violets will be in good supply at from $1.50 to $2.00. Roses and carnations are an unknown quantity. I hear that the principal growers have figured their Christmas price lists pretty high. Roman hyacinths have been something of a drug so far; there will be plenty of them no doubt. There will be some chrysanthemums, too, not any large quantity, but two or three growers are holding some back. Paper white narcissus plentiful. Of lily of the valley there will be none too much.

Chinese primroses seem to be the principal small flowering plants grown for the season this year. Everybody very busy just now. No time to talk except to prospective customers. The design trade has been exceptionally good this fall. E.

OBITUARY.

A. R. Whitney.

A. R. Whitney, the well-known nurseryman, of Franklin Grove, Ill., died December 15, aged seventy-three years. He was widely known and very popular among nurserymen throughout the country, and was for many years treasurer of the American Association of Nurserymen. Mr. Whitney was born in New York state, but removed to Illinois with his father in 1838. He had one of the largest nurseries in the state.

William W. Ball.

We deeply regret to have to record the death on December 14th of William W. Ball, the oldest son of Charles D. Ball, Holmesburg, Philadelphia, at the age of 11 years. Brain fever, accompanied by an attack of grippe, was the cause of death. Mr. Ball will have the sincere sympathy of a host of friends in the trade.

PEABODY, MASS.

J. M. Ward & Co. raise McGowans, the superior or even equal to I have not yet seen. They attribute the wonderful growth, strength of stem and large bloom to the virtues in the soil, as it is always thus with them. It was unfortunate that a bunch was not on exhibition at Boston on Saturday. It would have delighted the many supporters of this favorite carnation.

W. M.

BROOKLINE, MASS.

Xmas will find F. E. Palmer well prepared to handle the rush expected at that season.

Jas. Quinn has an unusual supply of bulbous stock, for which orders have been coming in nicely. Sales of the Boston fern were just as good this year as previously.

Miss Harriett Vass is prepared for a good season. Ferneries are one of her leading lines.

W. M.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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AMERICAN CARNATION SOCIETY.

We have received a copy of the programme and schedule of premiums for the seventh annual meeting of the American Carnation Society, to be held in Chicago, February 17th and 18th.

A very liberal amount of money is offered in premiums for carnations shown at the exhibition to be held in connection with the annual convention, in addition to the usual certificates for new varieties and there is, also, a liberal list of special premiums, which are well worth sharp competition. Every grower of carnations should be represented in the exhibition at Chicago, February 17th and 18th.

Copies of the premium list may be had on application to the secretary of the Carnation Society, Mr. Albert M. Herr, Lancaster, Pa.

WASHINGTON.

One of the most important social events of the season was the debut of the daughter of the Leiter family, at which were seen many beautiful floral conceits.

A very handsome group of Farleyense ferns and fine specimen cyclamen, under the full-size oil painting of Hon. Mr. Curzon, were very effective, the frame being handsomely festooned with asparagus and sprays of orchids in variety. A fine group of palms filled in with specimen poinsettias engaged the attention of all who entered the front door, giving it really the appearance of a Christmas festivity.

The bouquet carried by the young lady was a thing of beauty, being composed of about sixty cattleya flowers, twenty-five sprays of Dendrobium Phalænopsis, twelve Dendrobium formosum giganteum, and six fine sprays of Vanda cærulea, mostly grown by Messrs. Field Bros., of our city. The numerous ribbons pendant from the bouquet were adorned with Dendrobium Phalænopsis, small cattleya blooms and Lælia anceps, etc.

The bouquet was the work of Mr. J. R. Freeman, and a handsome basket, illustration and description of which are presented elsewhere in this issue, was the handiwork of A. Gude & Bro. and Mr. J. H. Troy, of New York. W. H. K.

Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

Clear Cypress Building Material

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THE greatest prize winner of the season. Awarded 1st prize, Boston, against all the whites. Awarded by the National Chrysanthemum Society, points as follows: New York, 95 points; Boston, 94 points; Chicago, 94 points; Philadelphia 89 points. Certificate of merit, Chicago, and many other certificates and awards. **Description:**—Incurved Japanese, white, flower of extraordinary depth, foliage up to the flower, stem very stiff and erect; midseason, good keeper and shipper. The ideal commercial and exhibition bloom. **Price,** 50c each, $3.00 per doz., $20.00 per hundred, $150.00 per thousand. Ready for delivery March 1st, 1898.

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We are growers of 2,000,000 plants per year, and wish every florist to see our stock, so we make up this $1.00 sample of new and standard plants worth $5.00 to any florist, as an advertisement so you can order by the 100, 1,000, 5,000 or 10,000 lots.

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Grand Bedders, also new and fancy kinds.
Plants, $1.30 per 100, express; $1.60, mail.
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Begonias, Coleus, Petunia, Verbena, etc.
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Will close out surplus of Dutch Bulbs below cost. Send for list.

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FINE ROSES—Shipped Carefully to all Parts of the Country.

GEO. A. KUHL... PEKIN, ILLS.

Grows 12,000 Rose Plants
Grows 9,000 Carnation "
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Subject to Change Without Notice.

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CARNATIONS.		
Ordinary select'd stock	per 100,	$3.00—
Extra	"	4.00—
ROSES.		
Beauties, long, scarce		Market rates
Beauties, medium, scarce		"
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Brides	per 100,	8.00—12.00
Kaiserin	"	8.00—12.00
Maids	"	8.00—12.00
Meteor	"	8.00—12.00
Perles	"	5.00— 8.00
GREENS.		
Asparagus	per string,	$ .75—
Ferns, Adiantum, select	per 100,	1.00—
Common Fancy, 1,000, $1.50,	per 100,	25—
Smilax	per doz., 1.25; per 100,	10.00—
Ivy Leaves	per 100,	.75—
Galax	per 1000, 1.50 "	.25—
Wild Smilax, Parlor Brand	case,	3.75—
Wild Smilax, Medium	"	5.50—
Wild Smilax, Large	"	8.00—
Extra fine lot of Wild Smilax now on hand.		
MISCELLANEOUS.		
Marguerites	per 100,	1.00—
Mignonette	per doz.,	.50— 1.25
Callas	per doz.,	1.50—
Harrisii	"	1.50— 2.00
Romans	per 100,	3.00— 4.00
Paper white Narcissus	"	3.00— 4.00
Stevia	"	1.25—
Swainsona	per bunch of 25,	1 00—
Valley	per 100,	4.00— 5.00
Violets	"	2.00—
Tulips, our selection only	per doz.,	.75— 1.00

per 100, 6.00@ 8.00. Colors: Yellow, pink and scarlet rose.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

ROCHESTER, N. Y.

Final Report of Wallace S. Wing, Assignee

The final report of Wallace S. Wing, assignee of Fred. S. Young, nurseryman, who made an assignment last May, was filed in the county clerk's office, December 15, and shows a balance on hand amounting to $647.61, for distribution among his creditors.

Death of Mr. H. E. Boardman.

Henry E. Boardman died December 14, aged fifty-seven years. For many years he was connected with his father in the nursery business in this city, but since the old gentleman's death, streets were laid out through the old grounds and buildings were erected in fast succession. Quite an extensive business was done by the firm at one time and they were well known all over the country. In later years Mr. Boardman took a live interest in the importation and breeding of Holstein cattle, of which he had one of the largest and best known herds in this state. His wife and a son, E. S. Boardman, survive him, also one daughter.

Christmas Forecast.

Orders for Christmas are coming quite freely, indications for a rushing trade were never better; let us hope that our florists will not be disappointed in their expectations. A large number of plants have been disposed of every day during the week, but most of these are not to be delivered until December 24. Flowering plants seem to have the preference and as these are quite abundant, no one is sorry, but prices are not extravagantly high on any of them. Otherwise the week past brought nothing extraordinary. There were a few small dinner decorations and also the usual funeral work, but no special events worth notice occurred, though our storemen and everybody else have been rather busy with preparations for Christmas trade Cut flowers of every description seem to be short by present indications, and our commission man only smiles without saying a word when inquiry is made as to the probable supply; maybe he knows better.

K.

FIRE INSURANCE.

At the adjourned meeting of the Florists' Fire Association, the following persons were elected directors: E. H. Michel, St. Louis; J. C. Vaughan, Chicago; Elmer D. Smith, Adrian, Mich; Wm. Scott, Buffalo, N. Y.; John G. Esler, Saddle River, N. J.; M. A. Patton, Tewksbury, Mass.; E. A. Seidewitz, Annapolis, Md.; E. G. Hill, Richmond, Ind.; Adam Graham, Cleveland, O.; W. F. Gude, Washington, D. C.; L. L. May, St. Paul, Minn.; P. J. Berckmans, Augusta. Ga.; W. J. Vesey, Fort Wayne, Ind.

W. J. Vesey was elected secretary. The by-laws as printed were adopted with immaterial changes and with some formal additions, the principal of which are: First, requiring the directors to fill all vacancies occurring during the year. Second, permitting all directors to vote on questions submitted in writing by letter.

Two or three of the gentlemen named as directors have not yet completed their applications for vacancies, but have made informal application therefor. Unless they do so, it will be necessary to substitute others in their places. You will also notice that two places are left unfilled from lack of good names in other territory.

Any person in the business will be supplied with a blank application for insurance on request.

W. J. Vesey.

Ft. Wayne, Ind.

NEW CARNATION MRS. S. A. NORTHWAY.

Being at Geneva, O., on business last week, I visited W. P. Simmons & Co.'s establishment and had the pleasure of seeing the new carnation Mrs. S. A. Northway. Its habit of growth is very strong and vigorous, the flowers are large and extremely fragrant, the color is white with a lovely shade of pink. In my estimation it has all the qualifications necessary to make it a first class fancy carnation. It is the most productive carnation I have ever seen. No doubt this variety is fully equal to any of the older sorts that Simmons has originated.

Fred Schneider.

Cleveland, O.

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in my new quarters and am in better shape than ever to handle your orders.

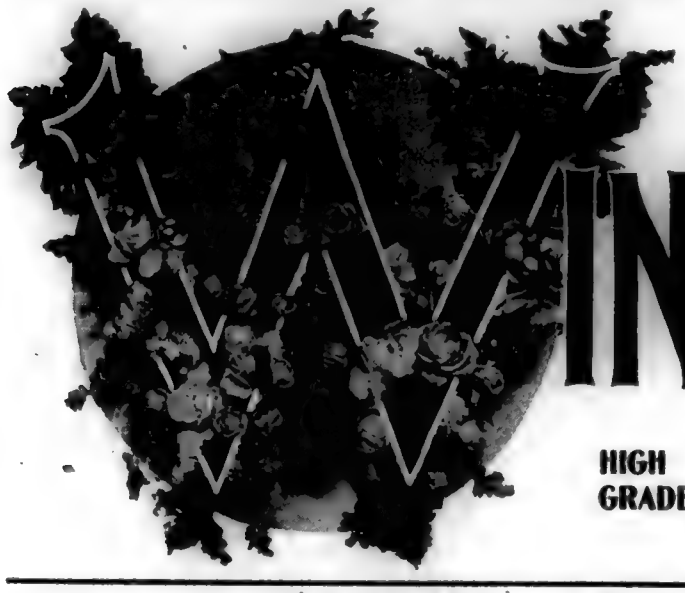
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will serve their own interests by corresponding with me before sending elsewhere.....Consignments solicited. Not interested in any greenhouses. Square dealings and prompt returns guaranteed.

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500,000 FEET OF GLASS.

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Our General Wholesale Seed Catalogue will be issued about Jan. 1st, 1898. Send us your address and we will mail one to you.

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At Half Price to Close Out. All Extra Fine Plants.

Thurstonii, 3½-inch.....doz., 40c.; $3.00 per 100
Thurstonii, 2½-inch.....doz., 30c.; $2.50 per 100
A. Guttata, 3½-inch.....doz., 40c.; $3.00 per 100
Feasti, and four other kinds, 40c per dozen; $3.00 per 100.

A. J. BALDWIN, - Newark, Ohio.

Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.

A Source of Danger.....

Is a Plant Food that contains **ACIDS.** Do you furnish your customers with such an article? **Better not.** A few of the good points in our Excelsior Food—

FREE from Odor.
FREE from Coloring matter.
FREE from Acids. Perfect solubility.

We furnish a booklet "The Window Garden," by Eben E. Rexford, Floral Editor of the "Ladies' Home Journal." Have you purchased your Plant Food for Fall and Winter trade? If not, write us for prices and terms.

The Walker Fertilizer Co.
Clifton Springs, N. Y.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on..... ...

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
Cut Strings, 8 to 10 Feet Long 50 cts. Each.
Shipped to any Part of the Country.


Galax Leaf.
Much reduced.

PLACE HOLIDAY ORDERS
FOR KELSEY'S BRILLIANT
Green and Bronze Galax Leaves and Leucothoe Sprays now
Finest Leaves and Packing. and avoid the coming rush. Prices:
GALAX—large or small, either color—per 1,000, $1.00; 5,000 lots at 75c.
LEUCOTHOE SPRAYS—per 100, 75c.; per 1,000, $6.00.
Wholesalers supplied at very special rates.
I am packing Original Assorted Cases for Florists as follows:
Case A. 5,000 Galax, assorted sizes and colors, for $3.75.
Case B. Same as Case A and 200 Leucothoe Sprays additional, for $5.00.
Case C. 10,000 Galax, assorted sizes and colors, $7.50.
TERMS, CASH
Shipments from Boston or North Carolina.....
Give explicit shipping directions, otherwise I use best judgment. **Telegraph orders save time.** Order one or more cases as above; or in very large cases. Galax by thousands, color and size; Leucothoe Sprays by hundreds or thousands. Samples and full information free.
Address all communications to the INTRODUCER,
HARLAN P. KELSEY, 1150 Tremont Building, Boston, Mass.

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New Geranium Mme. Bruant
I am able to now furnish this wonderful distinct variety by the hundred and thousand. No Florist can be without this variety, being certainly the finest plant novelty of the year. A large well rooted stock ready now. Shipped to any part of the Union by mail or express, prepaid, 75c per doz.; $3.00 per 100; $25.00 per 1000. Cash with order. Order at once, no better stock can be had. Address
FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

One sale makes two other sales. A trial of our apparatus will make you a customer for all the apparatus you may ever need. We want you to give it that trial—the apparatus will do the rest. Quaker City Machine Co., Richmond, Ind.

DOVES
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Lily of the Valley

From the finest cold storage pips. They are an extra choice lot of flowers, large bells with plenty of deep green foliage.
Note the price..... .....$4.00 per hundred

Harrisii Lilies

Well grown, very large flowers, good long stalks. They are the best in the market. **Price....$15.00 per hundred; $2.50 per dozen**

Asparagus Plumosus

Good strong strings. **Price.....50c per string**

Smilax.....

Heavy long strings. **Price..... $1.50 per dozen**

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Store.....88 Wabash Ave., CHICAGO, ILL.

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Dearborn Street
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Holiday Price List

	PER HUNDRED
American Beauties, long	75.00—100.00
" " 24-in. long	50.00
" " 15-in. long	30.00
" " 10-in. long	20.00
Maids, Brides, Meteors	12.00— 15.00
Perles	6.00— 10.00
Carnations, long	2.50— 3.00
" " fancy	4.00
Valley, homegrown, long stems	4.00
Romans, Narcissus	3.00— 4.00
Callas, Harrisiis	15.00— 20.00
Adiantum, Stevia	.75— 1.50
Mignonette, Heliotrope	2.00— 3.00
Violets	1.00— 2.00
Smilax, fine	10.00— 12.00
Common Ferns, per 1000	2 00

OUR SPECIALTY:

Roses AND Carnations

Store Open till 7 P. M.
Sundays till 12 Noon.

CUT FLOWERS

Florists' supplies furnished at lowest prices.
Remember our Valley—none better—home grown.

Give us your orders and

Save time, delay and money.

We aim to please.
Write for special quotations on large orders



PALMS
AND
FERNS
.....By Express at Our Risk.
ELLIS & POLLWORTH,
MILWAUKEE, WIS.

...AZALEA INDICA...
WE have a large assortment of all the leading varieties which we make this special offer for cash 10 to 12 in. crowns, full of buds, $3.50 per doz. 13 to 15-in. crowns, 50 cts. each; $5.50 per doz.
WHITTON & SONS, Wholesale Florists,
City and Green Streets. UTICA, NEW YORK.

THE COTTAGE GARDENS,
QUEENS, L. I.
Specialties in Carnations, Chrysanthemums, Cannas, Geraniums, Dahlias. SEND FOR OUR PRICE LIST.

PALM *Seed.* **Fresh on Hand.**

	100.	1000.	3000.
Cocos Weddelliana.....	$1.25	$10.00	$27.50
Musa Ensete.....	1.25	10.00	27.50

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404 E. 34th Street, New York, N. Y.

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ORCHID GROWERS AND IMPORTERS
SUMMIT, N. J.
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Specimens for Pots and Winter Decorations.
Send for Descriptive Catalogue and Trade List
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THE BEST FOR ALL Florists
"ROSE LEAF" INSECTICIDE
EXTRACT OF TOBACCO
For Sale by Seed Stores.
For Free Pamphlet write to
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CHAS. W. JACOB & CO.
DIRECT RECEIVERS OF
CAPE FLOWERS
WRITE US for Samples and Prices for any Quantity.
NO. 63 PINE ST., NEW YORK.

Always mention the Florists' Review when writing advertisers.

SYRACUSE, N. Y.

In my notes in issue of the REVIEW for December 9, upon reference I find I got somewhat mixed on the order of carnations being grown by L. E. Marquisee, and wish to correct them to read thusly: Amongst the large number of seedlings are several which a few years since would be placed on the market but are now not considered worth disseminating, the standard being here set high.

There is one, however, in his collection that certainly possesses superior merit. If this variety on sufficient trial (this is its second year), proves to be as good as it promises, Mr. M. intends to place it upon the market. It is a rich, soft pink, an ideal shade, very large and full, of strong, robust habit, and, in the midst of others that are diseased, perfectly healthy. It is apparently very free and the flowers are borne on strong stems.

This, while deservedly considered the cream of the collection, has a strong rival in another pink named The Ideal, a variety which closely resembles that old favorite, Grace Wilder, and is highly prolific. W. M.

HARTFORD, CONN.

Jno. Coombs says he met quite recently someone who reported that the lilies they had supplied this season were free from disease. He regrets he purchased none from that party and has forgotten his name, and would like to communicate with him, as a large proportion of those he has are badly diseased.

This woeful cry unfortunately is generally heard, and the firm who can guarantee a bulb which will not develop disease should have a "cinch." Now, instead of our generous government supplying free seeds and thus sowing germs of discontent, well deserved, would make an exhaustive trial of bulb growing in the region of Southern California, if successful, what a source of joy it would be to the grower and dealer also. Turning from the diseased lilies I saw a pretty lot of violets, Meteors and Bridesmaids, healthy, vigorous stock, second crops of smilax and asparagus all in first-class shape.

D. A. Spear is receiving some fine azaleas and roses from A. N. Pierson, Cromwell, who reports the grafted method an entire success. W. M.

SIMMONS'

New Light Colored **CARNATION**

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
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THE NEW PRIMROSE YELLOW

Chrysanthemum Pennsylvania

The finest Chrysanthemum for cut blooms or exhibition ever introduced.

Each	50c	Per Hundred	$ 35.00
Per Dozen	$5.00	Per Thousand	250.00

Fifty at one hundred, and five hundred at one thousand rates.

Hugh Graham,

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Originator and Introducer.

FIREFLY!

.... A RUST-PROOF CARNATION.

Bright scarlet and Positively RUST PROOF. It is as prolific as Wm. Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years. Our stock also includes all the novelties of '97 and '98. Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

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$25.00 FOR 100 FEET.

Young Plants, top cuttings, in 3-inch pots, three to six leaves, **$15.00 per 100.**

ALSO....

Canestakes

Ten to twelve feet, at **$3.00** per 1,000; **$25.00** per 10,000.

CASH WITH ORDER...

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SMILAX

FINE STRINGS 12½ CENTS.

A. J. BALDWIN, Newark, O.

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

FLORISTS FERTILIZER

Made from **VIRGIN NIGHT SOIL** by steam process—**NOT Adulterated.** Complete fertilizer. Soluble, quick in action. Combines all the Elements for Nutrition of Plants. Pleasant to handle. Try Sample Bag, 100 lbs., $1.50.

STANDARD FERTILIZER CO., Inc.

1822 Filbert Street, PHILADELPHIA.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

Carnations

New Carnations.

White Cloud. An excellent commercial white, strong, vigorous habit, large fragrant flower, long, strong stem, early and constant bloomer. A. C. S. certificate.

Gold Nugget. Conceded the best yellow ever grown, color clear and deep, only slightly marked with red. Large flower, strong stems and vigorous habit. Early and continuous bloomer. Missed A. C. S. certificate by one point for lack of fragrance.

New York (Ward). Bright cerise pink, strong vigorous habit, constant bloomer. Certificate.

Mrs. James Dean (Ward). Clear silvery pink, strong vigorous habit large flower, constant bloomer. Certificate.

John Young (Ward). White deeply fringed fragrant flowers, strong grower, free bloomer. A first class commercial variety.

Bon Ton (Ward). Bright warm scarlet, strong habit resembling Portia, large flower, stiff stem.

Prices for above varieties: $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We have all the principal 1897 Novelties and other standard varieties at lowest prices

New Chrysanthemums.

Mrs. C. H. Peirce. A soft deep yellow of greatest commercial value. Large flower of globular form, with straight petals slightly curved at tip. Full to center and of greatest substance, good stem and heavy foliage. Recommended for certificate by N. C. S., scoring commercial scale: Boston 91, Philadelphia 90, Cincinnati 87, Chicago 90.
35c each; $3.50 per doz.; $25.00 per 100.

Snow Queen. A commercial white. Large, nicely finished rounded flower, full to center, good substance, stem and foliage. N. C. S. certificate. 50c each; $5.00 per doz.; $35.00 per 100.

Merry Christmas. The best and latest of all whites. A well formed flower of style of Mutual Friend but of much greater substance, and full to center. Dec. 20th to Jan. 1st.
35c each; $3.50 per doz.; $25.00 per 100.

SEND FOR DESCRIPTIVE PRICE LIST.
READY JANUARY, 1898.

F. DORNER & SONS CO., La Fayette, Ind.

DREER'S RELIABLE FLOWER SEEDS

NEW CROP NOW READY

We keep the Best of Everything. Get a Catalogue, free.
Here are a few items for immediate sowing:

Alyssum, Little Gem, trade pkt., 10c.	Per oz., 30c.			
Cyclamen Per. Giganteum, $1.00 per 100 seeds.	$8.00 per 1,000.			
Dracæna Australis	trade pkt.,	30c.	Per oz.,	$1.50
Dracæna Indivisa	"	15c.	"	.40
Dracæna Indivisa Lineata	"	20c.	"	.75
Lobelia, Crystal Palace Compacta	"	40c.	"	2.00
Mignonette, Allan's Defiance	"	25c.	"	1.00
Mignonette, Machet—select	"	15c.	"	.50
Salvia Bonfire (Clara Bedman)	"	50c.	"	2.50
Verbena, Dreer's Mammoth	"	40c.	"	1.75
Vinca, Rosea mixed, etc., etc	"	20c.	"	.75



HENRY A. DREER, 714 Chestnut St., **PHILADELPHIA.**

Make the work of ventilating easy if you want it done properly and attended to as frequently as it should be. The Evans' Challenge Ventilating Apparatus meets this requirement to the fullest degree. Quaker City Machine Co., Richmond, Ind.

FIRST-CLASS STOCK!!

NONE BETTER ON THE MARKET.

Rooted cuttings of Geraniums, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Carnations, 125 for $1.00; $10.00 per 1,000. Rooted cuttings of Forget-Me-Not and Begonia Argentea Guttata, $2.00 per 100. Cyclamen Giganteum, 3-in., $5.00 per 100. Cut blooms of Carnations, $2.00 per 100. Write for quotations on Young Roses, Geraniums, Coleus, Alternantheras, and any bedding stock you may need for spring delivery.
PRICES WILL SURPRISE YOU.

CEO. M. EMMANS, Newton, N. J.

VERBENA

IMPROVED MAMMOTH.

New crop seed of this magnificent strain. Highly improved, of the very largest size of flowers and finest colors. The finest mixture in cultivation.
Per trade pkt., 25 cts.; 3 pkts., 60 cts.; 6 pkts., $1.00.
A pkt. of the new compact dwarf Alyssum added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

Always mention the Florists' Review when writing advertisers and thereby oblige the Publishers.

KANSAS CITY.

The first issue of the REVIEW was a genuine surprise, and the one just to hand is even better than the first. The general introduction is all right. It makes us acquainted with men we read about but seldom see, especially we poor fellows in the West that are too poor to travel. It is truly gratifying to receive what you are giving us, something good and substantial—articles on orchids, hardy stuff, and a hundred and one good things that can be used in our business profitably.

Trade is very quiet, very little doing in society, and, worse still, no funeral work of any account. Roses are offered from 50 cents to $1.50 per dozen.

Arthur Newell has just issued his first cut flower list, and the towns in Missouri, Kansas, and Nebraska are flooded with them. Arthur says his stamp bill is awful, and when his orders come in will have to get him a shipping clerk.

The chrysanthemum is gone. Some report they were O. K., and many more say not like former years. The large blooms were most in demand. Things look like Christmas now with green and holly in all the stores. S.

DES MOINES, IA.

The annual meeting of the Des Moines Florists' Club was held Monday evening, Dec. 13th, when the following officers were elected: Peter Lambert, president; John Lorenz, vice-president; Julius Liedig, treasurer; J. T. D. Fulmer, secretary. The club will most likely attend the convention at Omaha in a body and from present talk there will be no lack of enthusiasm.

The State Horticultural Society met in our city Dec. 14th. J. T. D. F.

ADIANTUM FERNS.

Mr. Washburn, of Bassett & Washburn, Chicago, notes less call for cut fronds of adiantum ferns and expresses the opinion that the large use of the foliage of the plant upon which the flower grew is reducing the demand for other foliage. The call for asparagus is good, however, and this is probably also taking the place of ferns to some extent.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100; $20 per 1,000. Send for samples...
Cash with the order.
FRED. BOERNER, CAPE MAY CITY, N. J.

Please mention the Florists' Review when writing advertisers.

Mayor Pingree Carnation.

AN UNDOUBTED SUCCESS.

THIS MEANS THAT WE HAVE OTHER GOOD SEEDLINGS.

Our Next Introduction...

Will make its debut at the meeting of the American Carnation Society in Chicago next February.

Look for it. And there are some others in sight.

JOHN BREITMEYER & SONS,
Gratiot and Miami Aves. DETROIT, MICH.

Experiences with Carnations

READY NOW

Send me your address on a postal and receive them regularly during the season.....

ALBERT M. HERR,
LANCASTER, PA.

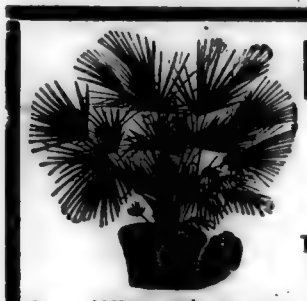
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New and Standard Sorts.
NEW ROSE
MRS. ROBERT GARRETT HYBRID TEA
Rich, soft pink. Best introduction of recent years. Orders booked now. Delivery March 15, 1898. Correspondence Solicited.
H. WEBER & SONS, Oakland, Maryland.

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The Standard Work of Reference for Florists and Gardeners. In set of four volumes. **Price, $20.00.**

Florists' Publishing Company,
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WHOLESALE FLORISTS
SPECIALTIES: ADRIAN, MICH.
Chrysanthemums, Carnations and Violets.
Correspondence solicited.



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The Largest Stock of Plants in the West.
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ROSE HILL NURSERIES,
HEADQUARTERS FOR
PALMS : ORCHIDS : FERNS
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NEW CARNATION, **"Empress"**
The largest bright-rich Crimson yet introduced. Price, $10.00 per 100.
WM. SWAYNE,
Box 226. Kennett Square, Penn.

New Year Stock

ESTABLISHED 1879.

ORDER EARLY TO SECURE GOOD SERVICE AND SELECTED STOCK OF THE FOLLOWING

Prime American Beauties, Cattleyas, Roses,
Carnations, Violets, Mignonette, Roman Hyacinths,
Paper White Narcissus, Ferns, Asparagus,
AND ALL STANDARD STOCK.



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EVERY one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

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You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

WALLINGFORD, CONN.

Man's greatest friend yet bitterest foe —fire—wrought sad havoc with the greenhouses and stock of George H. Rowden, caused by a drunken hobo who gained entrance through a door which had been forgotten to be locked. The result has caused a peck of trouble, for whilst insured to a certain extent the loss of stock and consequent business will take time to recoup. Mr. Rowden surveys the wreck philosophically and is pitching in with might and main to get fixed up again as soon as possible.

He relates a humorous incident associated with the boilers, of which he has two, a Scollay and Hitchings, both of which were blowing off on his arrival in great shape. He does not know which made the most noise, but almost immediately afterward the chimney stack fell on the back of Hitchings (boiler), breaking it, but considering it had done steady service for seventeen years, this wasn't to be wondered at, so that a duplicate w. s at once ordered, and instead of being run separately, as was the old one, has been connected with the Scollay and both will have an equal show.

This is the opportunity for the drummer, especially he of a commiserating turn, barring a representative of a pot firm, who will not be able to get in his work for some time, owing to an abundance of pots, which were about the only things that survived the heat. W. M.

NEW HAVEN, CONN.

Smith T. Bradley admitted with the army of visitors at his opening a splendid black specimen of the feline race, and whilst he does not believe in charms neither will he in hoodoos, as business has been first-rate ever since. A handsome new sign across the front of the office contains much gilt, and whilst all that giltters is not gold, in this instance the gold (and bills) flow underneath it.

S. H. Moore was working upon a large sago wreath upon which Bridesmaid roses were being placed. He tells me this is a very popular thing just now, having made up several already this season. Perle or Meteor look exceedingly rich upon the dark green background.

R. Veitch & Son deplore the loss of their late worthy assistant, Mr. Rowan, the notice of whose death was recorded last week in this paper.

Jno. Champion & Co. have a fine lot of carnations, particularly Scott and McGowan, for Christmas. W. M.

GOLD FISH

...Fine Healthy Stock...

Medium to large size, $10.00 per 100. Cash with order. No charge for shipping cans.

Gold Fish can be shipped by Express thousands of miles with safety and are a profitable and attractive stock to handle.

Full Line of Aquaria Supplies.

Keenan's Seed Store

6112-6114 Wentworth Ave., CHICAGO.

ROGERS PARK FLORAL CO.

Holiday Price List.

Subject to Change Without Notice.

Roses, American Beauties, 1st grade	$100.00
Roses, American Beauties, 2nd grade	75.00
Roses, American Beauties, 3rd grade	50.00
Roses, American Beauties, 4th grade	25.00
Roses, Meteor and Kaiserin	$12.00 to $15.00
Roses, Brides and Maids	12.00 to 15.00
Roses, Perles	8.00 to 10.00
Roses, Woottons	10.00 to 12.00
Carnations, Common	4.00 to 5.00
Carnations, Fancy	5.00 to 6.00
Violets	2.00 to 2.50
Smilax	12.00 to 20.00
Adiantum Ferns	1.00
Common Ferns, per 1000, $2.00	.25
Romans	3.00 to 4.00
Valley	5.00 to 6.00
Harrisii Lilies	18.00 to 20.00

WHOLESALE GROWERS OF

Cut Flowers

All telegraph and telephone orders given prompt attention.

Tel. Main 1811.

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Texas Seed and Floral Co.

WHOLESALE FLORISTS

Consignments of Choice Roses and Carnations Solicited.
We get Top Prices, Make Quick Sales and Prompt Returns. TRY US.

WE OFFER THE FOLLOWING AS LONG AS THEY LAST:

Rooted Cuttings Geraniums in choice named varieties at $1.50 per 100.
Hibiscus, 2½-inch fine plants at $4.00 per 100.
Lemon Verbenas, 2½-inch fine plants at $4.00 per 100.
Strong Field Grown Everblooming Roses at $12.50 per 100.
Fine Roses from 2½-inch pots, in all of the leading varieties, at $3.50 per 100.
Stock Plants, Alternanthera, at $4.00 per 100.

TEXAS SEED AND FLORAL CO. 306 Elm St., DALLAS, TEX.

SAMUEL S. PENNOCK,

A fine stock of **ROSES, VALLEY, CARNATIONS, SMILAX, Etc.,** coming in, of which we can fill orders on the shortest notice.

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Between Chestnut and Market Streets.

Local and Long Distance 'Phone **5210.**
Open until 8 P. M.

Cinerarias and Calceolarias...

We have a superior strain of these beautiful plants.

Cinerarias, 2¼-in.	$2.00 per 100
Cinerarias, 3-in.	3.00 per 100
Calceolarias, 2¼-in.	3.00 per 100

WHITTON & SONS, Wholesale Florists,
City and Green Sts., UTICA, N. Y.

For Sale-Cut Flowers

Narcissus paper white G. per hundred...$1.75

Terms—cash with order.

MISSES WILSON, - Montgomery, Ala.
Mildred Street.

TOO PRETTY TO SELL!

GERANIUM
..MARS..
2-inch pots, $1.00 per doz.
Cash with order.
HENRY EICHHOLZ,
Waynesboro, Pa.

WHEN YOU WANT THE **BEST**
SEND TO
BASSETT & WASHBURN,
CHICAGO



Prompt Attention To All..... Shipping Orders

I CAN FURNISH

First-Class Flowers

49 West 28th Street, NEW YORK.

IN ANY VARIETY AND QUANTITY

Price List on Application.....

.....For the New Year

NEW LONDON, CONN.

This trip I happened to find that G. O. F. (Grand Old Florist) Jno. Spalding in a reminiscent mood, and as a consequence a chat was in order. It is apparently an easy matter for this veteran of past fourscore to carry one back fifty years or more, surveying the history of our profession particularly, and kindred matters incidently and summarily, to express the opinion that we are yet but in infancy and will accomplish even greater feats than have yet been done. Marvelous to my mind is the fact of our friend's youth and vigor, keeping in touch with the leading topics of the day and putting to shame many of the "up-to-date" young men of the period. The house he has lived in for so many years (it was built in 1737) carries its burden of years as lightly as its venerable owner. W. M.

WANT ADVERTISEMENTS.

SITUATION WANTED—A thoroughly capable and experienced man wishes a position in charge of a private place. Address W. P. Kelley, 5546 Elisi avenue, Chicago.

SITUATION WANTED—By a reliable, industrious young man in park or private place. Single, 23 years of age; seven years' experience; good references. Address G, care Florists' Review.

SITUATION WANTED—As foreman or propagator. Good wages or share of profit. Address, PLANTSMAN, care Florists' Review.

SITUATION WANTED—By an' Englishman of twenty years' experience as a successful grower of Roses, Carnations and Violets, in the New England States. Best of reference. Married. Address, E. Close, No. 9 Lincoln St., Newton, Mass.

SITUATION WANTED—By single man, six years experience in a commercial greenhouse; best of reference. Age 21. Address Robert Belmont, 27 City Street, Utica, N. Y.

SITUATION WANTED—Commercial, semi-commercial or private; 15 years' experience in the finest private and commercial houses of England and the European continent; 4 years in U. S.; married. Address J. Macfarlane, Madison, N. J.

WANTED—New or second-hand glass. Must be cheap for cash. Must be 14 inches in width, any length will do. E. L. CHARLES, 1521 No. High-st., Columbus, Ohio.

SITUATION WANTED—A young man would like position as traveling salesman or would accept position in greenhouse; experienced; good references. Address E. W. Kalisch, 4508 Delmar Av., St. Louis, Mo.

SITUATION WANTED—By good all around florist; have grown mushrooms for market for last 6 years; unexceptionable references. Address H. R. Fisher, 605 Clinton St., Milwaukee, Wis.

WANTED—Partner, in Chicago, with $1,000 cash, to take half interest in a well established paying florist and greenhouse business; experienced man preferred. Address L. F., care Florists' Review.

SITUATION WANTED—As gardener or general manager, to take charge of gentleman's estate; understands his business thoroughly; 30 years' experience; good references; only those wanting a first-class man need apply. Address "Reliable," care Florists' Review.

SITUATION WANTED—Well recommended young man, German; good grower of palms, ferns and other pot plants. Ad. Competent, care Florists' Rev.

SITUATION WANTED—By single young man as assistant to foreman on commercial place; experienced; good habits; industrious; good references. Address Florist, care Carrier No. 1, Newark, Wayne County, New York.

SITUATION WANTED—As working foreman by a thorough, competent, practical man; grower of roses, carnations, mums, violets and general cut flowers; 20 years' experience; aged 39; married; good references. Ad. J. H. D., 17 Grant St., Cleveland, O.

SITUATION WANTED—By practical gardener and florist (American, single) as teacher of horticulture and elementary botany in a public institution. Address Teacher, care The Florists' Review, Chicago.

SITUATION WANTED—Young lady with experience desires position in florist store. M. O. B., care Florists' Review.

WANTED—Young man to take entire charge of four rose houses 75 feet long, modern; board on place; state wages. W. L. Hucke, Belleville, Ill.

SITUATION WANTED—By florist; 30 years' experience; good propagator and maker-up of designs. Address Florist, care Carrier No. 2, Ottumwa, Iowa.

SITUATION WANTED—A successful rose grower desires situation as principal grower on large place or as foreman on medium sized one; references given. Address Nixon H. Gano, care Florists' Rev

	Per 100
Named Geraniums, 2¼ in	$2.00
Named Coleus, 2¼ in	2.00
Named Begonias, 2¼ in	2.00
Named Cannas, standard	5.00
Pansy Plants	.60
Clara Bedman Salvia	2.00
The Queen Pelargonium	3.00

30,000 CARNATIONS... CUTTINGS NOW READY

Standards Varieties	1.00
1897 Varieties	5.00
Except Lily Dean and Flora Hill	6.00
Triumph, Daybreak and Armazindy	4.00

THE MORRIS FLORAL CO.

MORRIS, ILL.

Bouquet Green Packed in crates, $3.50 per 100 lbs.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,

SPARTA, - - WISCONSIN.

THAT RIGHT HAND.

Herr Redakteur:—I peen by dot New York gesterday gewesen. I read dem babers dere. Say dem vas krade beobles, ain'd id? Vat you call dem, hot schtuff? I don't gatch dot Inglish priddy vell on sometimes. Eggschplane me dot vonce. Ven you seen a feller vat ain'd like you priddy vell und dot feller say to dem odder fellers: "Say, you fellers vatch me mit your beebers; I going extend dot guy de right hand of fellowship." Vot ish dot?

Say, I been by a feller vonce. He didn't liked me too much. Ish dot vot he done by mir? He extend dot right hand mit fellowship or someting or nudder. I dunno. Anyvay I don't see dot extension quick enough. Ish dot fellowship von of dem righd handt cross hooks mit a counter vot der Gorbett got? Dem udder fellers says das vas it. I dunno. I didn't seen no fellowship, neider no extension und cross jabs mit counter hooks. I choost sawed some schtarrs. Den he exclitend dot left hand. I vos loogin at dem schtarrs. I don't saw dot extension at all. You seen dem chacknifes ven den shut up. I close up dot vay. Dem udder fellers says dot vas below de belt. Vat I care for belts?

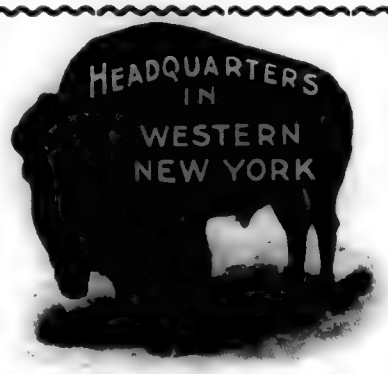
Eggschplane me dot, if dem vas de same extending fellowships hands, oder if dem righd oder left hands extendings vas has to been below de pelt, oder vat isch dot any how?

Herzachtungsvoll. Hans Wurst.

HAVERHILL, MASS.

C. H. Kaulbach has just put in a Gurney boiler, he is gradually changing to hot water. The last new house, 18x100 is producing a marvelous crop of carnations, which with the genial weather now being experienced, will be a gold mine for Christmas. W. M.

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

Chrysanthemum Stock Plants....

"GEO. S. KALB"

Best early white, $2.00 per doz.; less than dozen 25c each. Buy direct from the introducers.

FISCHER & EKAS,

TOLL GATE, BELAIR AVENUE, BALTIMORE, MD.

ROSES

CRIMSON RAMBLER ROSE

EXTRA STRONG FIELDGROWN PLANTS FOR EASTER FORCING.

We offer an extra fine lot of strong fieldgrown plants of the Crimson Rambler Rose for Easter forcing.

We desire to call the attention of the trade to the great value of this rose as a pot plant for Easter sales. It is one of the showiest and most beautiful of all hardy plants, but also makes one of the most beautiful pot plants for florists' sales, and is particularly adapted for forcing for Easter, having proved one of the most valuable novelties grown for this purpose. A Boston grower realized ten dollars each for every plant he had.

We can supply an extra fine lot of extra fine plants for potting and growing on for this purpose—plants four to five feet high, three to four strong canes each—stock in the very best possible shape. These long canes will flower from every joint, and by proper training and winding the plants can be made of immense size, covered with a perfect mass of bloom. We know of no choicer plant for the Easter trade, and florists who do not supply themselves with a lot of this stock for this purpose will regret it.

Strong fieldgrown plants, three to four canes each, four to five feet long, $3.00 per doz.; $20.00 per hundred.

HYBRID PERPETUAL ROSES.

We also offer an unusually fine stock of the very choicest and most desirable varieties of **Hybrid Perpetual Roses** for growing for pot plants for florists' use for Easter and spring sales or for outdoor blooming. Our stock is unusually strong, and cannot fail to please. We can supply the following extra choice sorts, viz:

Mrs. John Laing,	Ulrich Brunner,	Paul Neyron,	Gen'l Jacqueminot,
Mme. Gabrielle Luizet,	Anna de Diesbach,	Margaret Dickson,	Magna Charta,
Baroness de Rothschild,	Clio,	Baron de Bonstetten,	Marshall P. Wilder,
Prince Camille de Rohan,	Alfred Colomb,	Etc., etc.	

Strong fieldgrown plants, extra heavy, $2.00 per doz.; $12.00 per hundred.

F. R. PIERSON CO. Tarrytown-on-Hudson, NEW YORK.

Send for our Special Price List of Palms and other Decorative Plants.

"We have not moved" THE NAME OF OUR STREET HAS BEEN CHANGED, TO 1612-14-16 Ludlow Street.

SAMUEL S. PENNOCK,

1612-14-16 LUDLOW STREET, - - - PHILADELPHIA, PA.

BETWEEN MARKET AND CHESTNUT STREETS.

HARDY ROSES, C. H. JOOSTEN, Importer, 193 Greenwich St., NEW YORK.

Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

Burpee's Seeds Grow.

Try Jadoo... and be convinced

DREER'S SPECIAL HOLIDAY OFFER.



Our stock of Palms has never before been so complete at this season of the year as now, forty of our largest houses being filled with stock, from little seedlings up to specimens 10 ft. high. Our stock of Kentias, that best of all Palms, is especially fine. Of these we are carrying the largest stock and best assortment of sizes to be found in any one establishment in the world.

KENTIA BELMOREANA.

2¼-inch pots,	3	leaves,	6 to 8	in. high	....	$ 2.00	per doz.	$15.00	per 100
3	"	"	4 to 5	"	10 to 12	"	....	3.00	"	25.00	"
4	"	"	5 to 6	"	15 to 18	"	....	6.00	"	50.00	"
6	"	"	6	"	22 to 24	"	....	1.35	each		
6	"	"	6	"	24 to 30	"	....	1.75	"		
6	"	"	6	"	30	"	....	2.00	"		
7	"	"	6 to 7	"	32 to 36	"	....	2 25	"		
8	"	"	6 to 7	"	36	"	....	3.00	"		
8	"	"	6 to 7	"	36 to 42	"	....	4.00	"		
8	"	"	7	"	42 to 48	"	....	5.00	"		
9	"	"	6 to 7	"	48 to 54	"	....	7.50	"		
10	"	"	6 to 7	"	54	"	....	10.00	"		
12	"	"	7 to 8	"	7 feet	"	....	35.00	"		
16	"	tubs	8 to 9	"	9 "	"	....	75.00	"		

BUSHY MADE UP PLANTS.

6-inch pots,	24 to 28	inches high,	4	plants in a pot	.....	$ 1.50	each			
7	"	"	30	"	"	4	"	"	"	.....	3.50	"
9	"	"	36	"	"	4	"	"	"	.....	5.00	"
9	"	"	48	"	"	4	"	"	"	.....	10.00	"

KENTIA FORSTERIANA.

2¼-inch pots,	2 to 3	leaves,	6	in. high	....	$ 1.50	per doz.	$12.00	per 100
3	"	"	3 to 4	"	12	"	....	2.50	"	20 00	"
4	"	"	4 to 5	"	15 to 18	"	....	5.00	"	40.00	"
6	"	"	6	"	30 to 36	"	....	1.50	each		
7	"	"	6	"	36	"	....	2.00	"		
8	"	"	6	"	42	"	....	3.50	"		
9	"	"	6	"	48	"	....	6.00	"		
9	"	"	6	"	52	"	....	7.50	"		
10	"	"	6	"	60	"	....	10.00	"		
13	"	tubs	7	"	6 feet high		....	25.00	"		
12	"	pots	7	"	6 "	"	....	35.00	"		
14	"	tubs	7	"	7 to 8 "	"	....	35.00	"		
16	"	tubs	7	"	10 "	"	....	75.00	"		

BUSHY MADE UP PLANTS.

8-inch pots,	3	plants in a pot,	36 to 42	inches high	.....	$ 3.50	each			
10	"	"	4	"	"	"	5	feet	high	.....	10.00	"
12	"	"	5	"	"	"	6	"	high	.....	25.00	"

ARECA LUTESCENS.

2-inch pots. $1.00 per doz., $6.00 per 100, $50.00 per 1000.										
3	"	pots, 2	plants in a pot,	12 to 15	in. high	....	$1.25	per doz.	$10.00	per 100
5	"	"		20 to 24	"	....	6.00	"		
6	"	"	very bushy	28 to 30	"	....	1.00	each		
7	"	"	" "	32 to 36	"	....	1.50	"		
8	"	"	" "	36 to 42	"	....	2.50	"		
8	"	"	" "	42 to 48	"	....	3.00	"		
9	"	"	heavy single plants	4 to 5	feet	....	5.00 to 6.00	each		

LATANIA BORBONICA.

2-inch pots,	3 to 4	leaves	.....	60 cts.	per doz.,	$ 4.00	per 100,	$35.00	per 1000
3	"	"	4 to 5	"	.....$1.25	"	10.00	"	80.00	"
4	"	"	4 to 5	"	..... 3.00	"	25.00	"		
5	"	"	5 to 6	"	18 to 20	in. high	.....	$ 5.00	per doz	
6	"	"	5 to 6	"	18 to 24	"	.....	9.00	"	
7	"	"	6	"	24	"	.....	12.00	"	
7	"	"	6 to 7	"	26 to 30	"	.....	15.00	"	
8	"	"	7	"	36	"	.....	30.00	"	

COCOS WEDELIANA.

3-inch pots,	8 to 10	inches high	.....	$2.50	per doz.,	$20.00	per 100			
3	"	"	10 to 12	"	"	.....	3.00	"	25.00	"
4	"	"	15	"	"	.....	5.00	"	40.00	"
8	"	"	36 to 42	"	"	.....	6.00	each		

PHŒNIX CANARIENSIS.

8-inch pots,	30	inches high,	bushy	.....	$1.75					
9	"	"	36	"	"	"	.....	2.50	"		
9	"	"	36 to 42	"	"	"	.....	4.00	"		

LAURUS NOBILIS.—BAYS.

Standard Shaped.

9-inch pots,	5	ft. high,	crowns	15	inches	in	diameter	.....	$ 2.50	each
In tubs,	6	"	"	3	ft.	"	"	.....	10.00	"
"	6½	"	"	3½	ft.	"	"	.....	12.00	"
"	6½	"	"	3¾	ft.	"	"	.....	15.00	"
"	7	"	"	5	ft.	"	"	.....	40.00	"

PYRAMIDAL SHAPED.

In tubs,	7	ft. high,	32	inches	in	diameter	at base	.....	$10.00	each
"	8	"	36	"	"	"	"	.....	12.00	"
"	8	"	40	"	"	"	"	.....	15.00	"

TAPERING OR CONICAL SHAPED.

9	ft.	high,	36	in.	diameter	at base,	rounded top	12	in.	diameter	$25.00	each
8	"		54	"	"	"	"	30	"	"	40.00	"

PYRAMIDAL SHAPED BOX.

32 to 36 inches high, 15 inches diameter at base ..... $2.50 each

STANDARD SHAPED BOX.

26 to 28 inches high with crowns 12 inches in diameter ..... $1.00 each

ARAUCARIA EXCELSA.

5-inch pots,	12 to 14	inches high,	3	tiers.	.....	$1.25	each			
"	"	24 to 30	"	"	5	"	.....	2.00	"		

ARAUCARIA EXCELSA GLAUCA.

5-inch pots,	10	inches high,	3	tiers	.....	$1.25	each			
7	"	"	18 to 20	"	"	4	"	.....	2.50	"

ARAUCARIA ROBUSTA COMPACTA.

It is seldom that we are in a position to offer this beautiful dwarf variety in quantity, the stock we offer is very fine.

5-inch pots,	2	tiers,	8	inches	high,	.....	$1.35	each		
6	"	"	3	"	10	"	"	.....	1.50	"

ADIANTUM FARLEYENSE.

3-inch pots,	fine plants	.....	$ 3.00	per doz.,	$20.00	per 100				
4	"	"	"	"	.....	5.00	"	40.00	"	
5	"	"	"	"	.....	9.00	"	70.00	"	
6	"	"	"	"	.....	12.00	"	90.00	"	

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4-inch pots,	10	inches high	.....	30	cents	each	$3.00	per doz		
5	"	"	18	"	"	.....	50	"	"	5.00	"

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I have no hesitation in saying it is the very best trade paper I ever read.—J. H. Bradbury, Brighton, Mich.

We congratulate you on its handsome appearance.—W. H. Gullett & Sons, Lincoln, Ill.

We are very much pleased with the new paper and wish the new enterprise big success.—J. Chas. McCullough, Cincinnati, O.

It starts at the top of the ladder.—F. A. Willard, Providence, R. I.

Your paper is a gem.—Kennicott Bros. Co., Chicago.

Allow me to compliment you upon its exceedingly neat and handsome appearance.—R. E. Shuphelt, Chatham, N. Y.

It is a grand number and we wish you success.—Vick & Hill Co., Rochester, N. Y.

Am much pleased with it.—A. N. Bartlett, Oshkosh, Wis.

Your paper is a "daisy."—H. Eichholz, Waynesboro, Pa.

It's a peach.—E. H. Hunt, Chicago.

I write to thank you for placing such a grand paper at the disposal of the trade.—Jesse Robbins, Carlisle, Pa.

There is room for such a paper and I heartily wish and predict for it great success.—Geo. E. Fancourt, Wilkesbarre, Pa.

Your first number is all right. I congratulate you.—A. W. Hoyle, Dorchester, Mass.

Your second number is just as good as the first. Keep up the good work.—Quaker City Machine Co., Richmond, Ind.

The REVIEW bids fair to be "all right."—W. P. Simmons, & Co., Geneva, O.

I congratulate you upon the good shape in which the first issue of the REVIEW was gotten up. I feel that it is a benefit to all concerned.—A. T. Boddington, New York.

It is a first-class paper in every respect and ought to be in the hands of every wide awake florist.—Fred W. Williams, Stillwater, N. Y.

It is deserving of praise from every florist.—Miss M. S. Newman, St. Louis.

I am very much pleased with it.—S. H. Powell, Hempstead, N. Y.

It is just the paper I have wished for.—J. Reeve, Chicago.

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DES MOINES, IA.—At the annual meeting of the Iowa State Horticultural Society officers were elected as follows: C. F. Gardner, Osage, Pres.; M. J. Wragg, Waukee, Vice-Pres.; G. H. Van Houten, Lenox, Secy; W. M. Bomberger, Harlan, Treas.

CHAMPAIGN, ILL.—At the annual meeting of the Central Illinois Horticultural Society held here Dec. 15 and 16, officers were elected as follows: President, George J. Foster, of Normal; vice-president, H. L. Doan, of Jacksonville; secretary and treasurer, A. M. Augustine, of Normal.

SIOUX CITY, Ia.—The Sioux City Seed and Nursery Company has reorganized and has consolidated with the Sioux City Nursery and Seed Company. It certainly is fortunate that these two concerns, with names so similar, have been consolidated and the chance of confusion removed.

THE EDITOR invites you to send in any questions of trade interest you would like answered. He will get a practical and helpful answer for you if the question is answerable.

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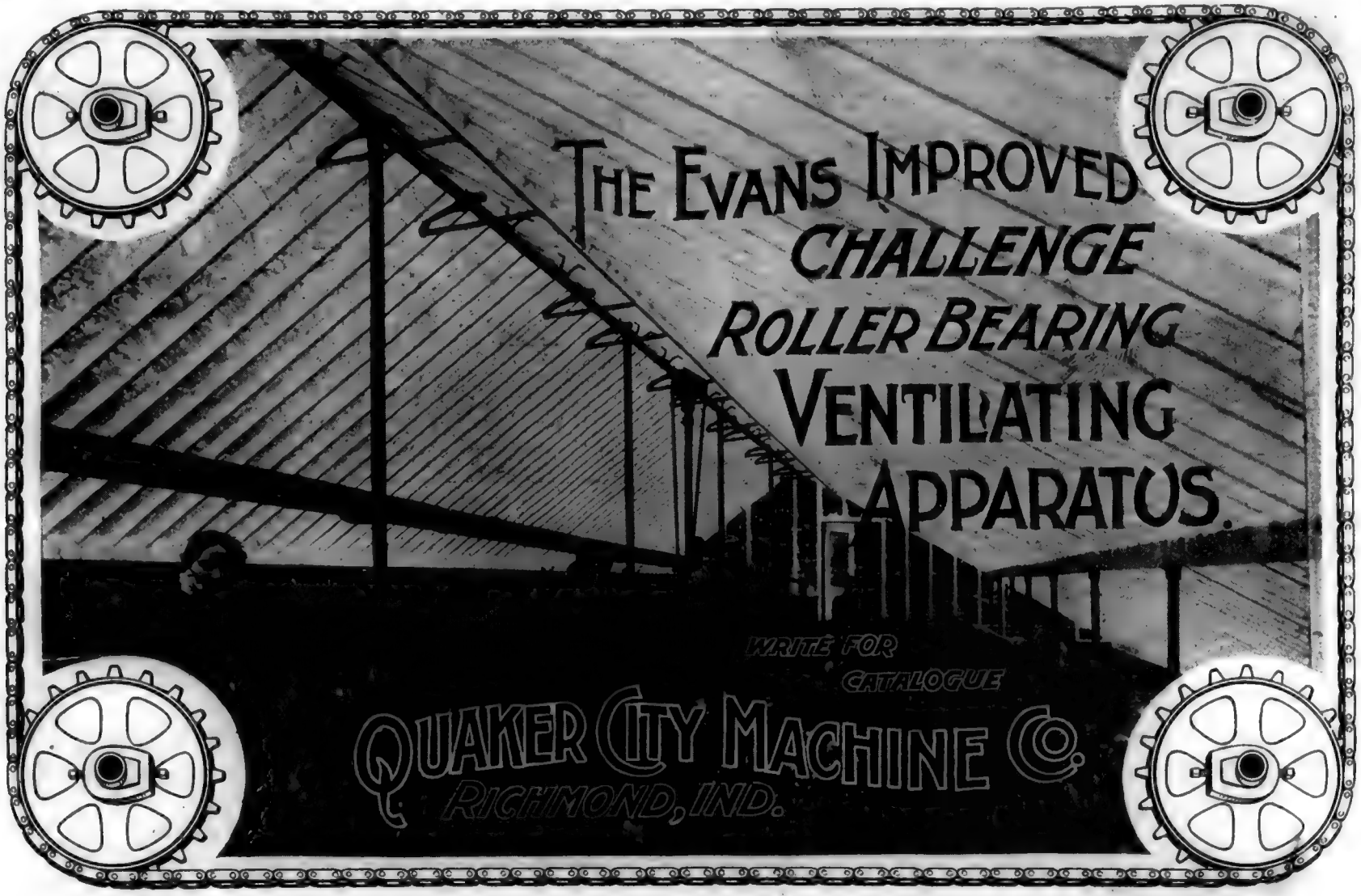
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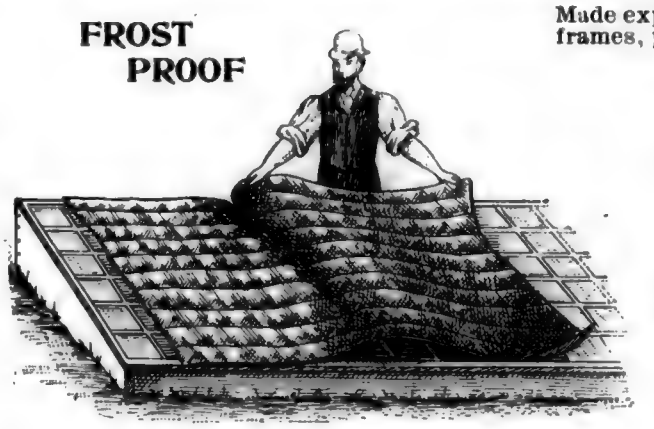


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THE WEEKLY

FLORISTS' REVIEW

Vol. 1. CHICAGO AND NEW YORK, DECEMBER 30, 1897. No. 5.



Novelties in Christmas Wreaths, arranged by Mr. Geo. Stumpp, New York.



Novelty in Christmas Wreaths, arranged by Mr. Geo. Stumpp, New York.

NOVELTIES IN CHRISTMAS WREATHS.

It is one of the most difficult problems every year to introduce something novel in the way of Christmas wreaths for decorative purposes. We have got tired of seeing the regulation stock of immortelles, etc. The credit must go to Mr. George Stumpp, of New York City, for introducing the novelties shown in our illustrations and seen this year for the first time.

Owing to the color plan of the whole being red, the photographs do not do them real justice. As a novelty, however, they are unique. The illustrations give an idea as to the arrangement, the groundwork being of red immortelles and the "fixins" are dried sumach flowers, bitter-sweet berries, Hartford fern, and broad crimson ribbon.

CHRISTMAS EVE WITH A RETAIL FLORIST.

This is the story of the night before Christmas, spent at the establishment of Mr. E. Wienhoeber, a leading retail florist of Chicago. At 10 p. m. last Thursday Mr. Wienhoeber and his force of twelve employes began the work of selecting and packing the cut flower orders that were to be delivered Christmas morning.

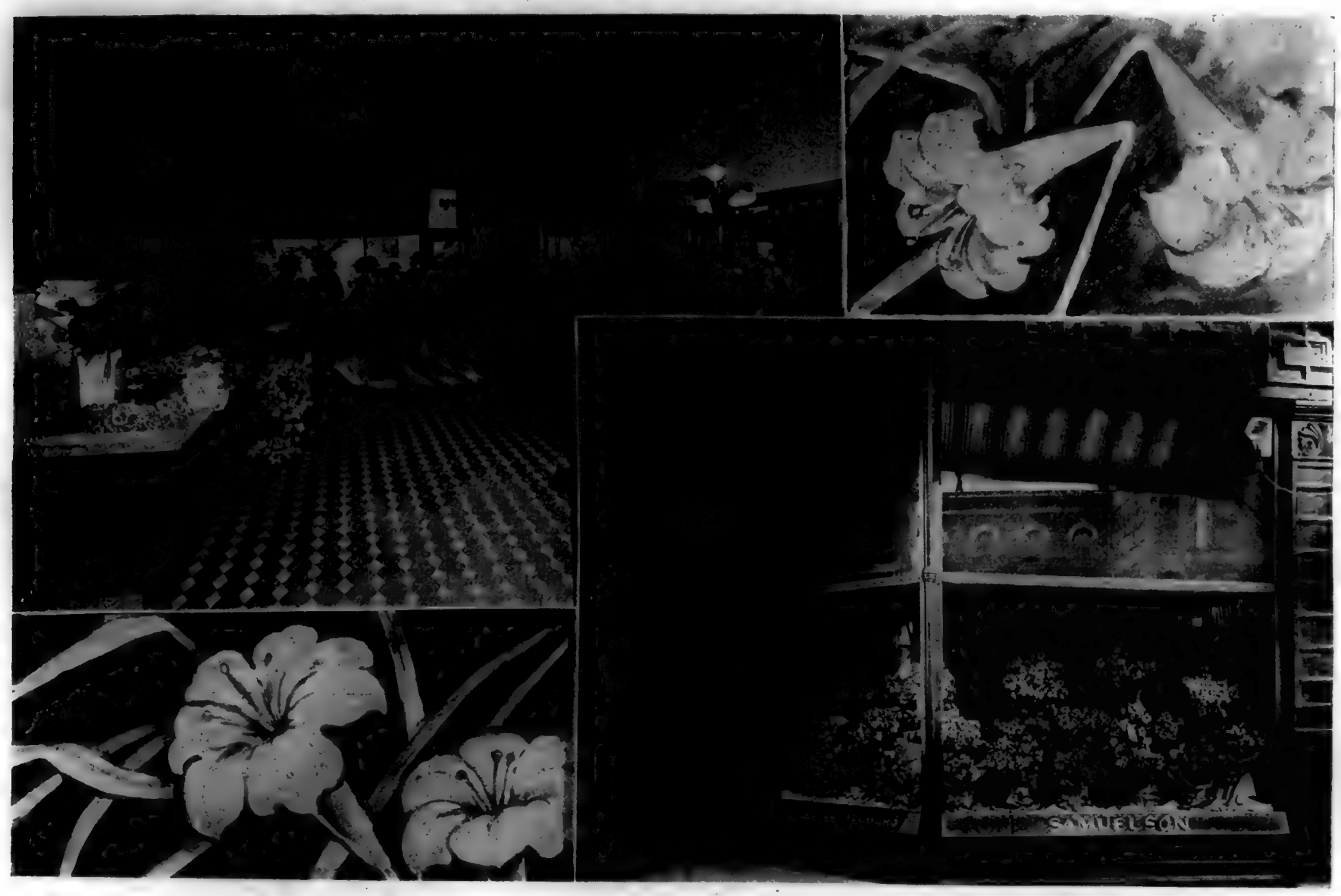
On Wednesday all plants, wreathing, holly, etc., had been delivered so as to leave the decks clear for action on the cut flowers at the latest possible moment. Thursday was devoted to waiting on customers and taking orders, though the clerical force was even then preparing for the work at night. But before we take up that, a word about the holly wreaths. These were made extra heavy, on both sides, and sold at an extra price, for Mr. Wienhoeber's trade is of the choicest in the city, and a very popular style of wreath was one in which holly and lycopodium was worked in together.

The bulk of the flowers handled by Mr. Wienhoeber come from Mr. E. Buettner's range of glass at Park Ridge. They were formerly joint owners of both store and greenhouses, but a few years ago dissolved partnership, Mr. Wienhoeber taking the store and Mr. Buettner the greenhouses. By 9 p. m. Mr. Earl, Mr. Buettner's foreman, had arrived with the choice Christmas stock of flowers and had laid out the array of boxes in the basement. The choice stock is held at the greenhouses till Christmas eve, being reserved for critical customers who have placed advance orders, while the rest is sent in for earlier sale over the counter. By 10 p. m. the boys were at work in the room on the first floor unnesting boxes and piling the various sizes together where they could be quickly reached, and soon after two were set to work wrapping tissue paper around the stems of bunches of violets and then dipping the papered stems in water. These were violets that were to be packed with other flowers, and without wet tissue on the stems they are apt to suffer, even when packed only over night.

Just as Mr. Wienhoeber appeared on the scene two "difficulties" were referred to him for action. Both were orders sent by messenger. One order inclosed one dollar and instructed that "three bunches of your finest violets" be sent to a certain address. As the price of violets was one dollar a bunch, the order was placed on file to be later returned to the sender. Next was "Two dozen choicest roses, cost not to exceed $3." "Hold it till we get through and see what we have left," were the instructions given. "Are these all right?" says Mr. Earl to the writer as he shows a bunch of two dozen magnificent Beauties, with stems 36 to 40 inches long. "We cut 150 like these to-day." In addition to these was a host of jars of Beauties of all degrees of length of stem and quality of flower, tray after tray of splendid Maids, Brides, Meteors, etc., and cases of fine carnations tied in graceful bunches of twenty-five. Trays of pink tulips and violets, jars of Romans, narcissus, valley, Harrisii, poinsettias and stevia were scattered around the basement in orderly array.

Soon Mr. Wienhoeber took his position at the center of a long bench with the order book and a long, open paper box containing a host of tags and cards. These had been prepared by the bookkeeper. In each case there was a tag already addressed, and attached to this by a rubber band was the card to be sent with the flowers if any had been left by the customer for this purpose. These were arranged in the box in the same order in which the orders were entered in the order book. One assistant took a wicker tray from a pile and placed it in front of Mr. W., who at once called out "One dozen extra Beauties, two dozen Scotts and one dozen mignonette." Three assistants placed the required stock on the tray, it was quickly glanced at by Mr. W. who placed on the tray the tag and card and a boy started with it for the floor above where two packers were ready for business. From that time on it was a repetition of the above, with occasional changes of quality or kind of flowers by Mr. W., whose eye passed on each bunch of flowers that went into the orders, and who sometimes asked as to quantity of certain flowers on hand when making up orders of mixed flowers where varieties were not specified.

Following the stream of wicker trays going up the stairs the packers were found busily engaged above. At a glance the proper size and shape of box was determined, quickly lined with tissue paper, the flowers placed to show to best



Interior and Exterior Views.

advantage when opened, a few adiantums added if necessary, the customer's card placed on top, the cover put on, tag placed on top of cover, and box pushed along to another man who did the tying, attaching the tag simply by running the twine through the tag before tying the knot. The box was then carried into the storeroom in front, where heat was turned off. There were five different piles, one for each of the five delivery wagons, each having its own section of the city to cover. Presently a box reached the packers that was treated differently from the others. The box was lined with cotton batting and waxed paper, and wrapped more securely. A glance at the tag showed it was addressed to another city.

"How does the bookkeeper keep track of the cards that customers leave to be sent with flowers?" we asked. "All orders are numbered and the card is placed in an envelope and the order number written on it. The cards are kept in a special drawer, and an entry in the order book tells that there is a card to go with the order," was the answer.

And so the work goes rapidly on, each one knowing his share and doing it with precision till shortly after midnight, when at a signal from Mr. W. all hands quit, the trays of flowers in the basement are covered with damp paper, and the party troops forth to a neighboring restaurant, where an excellent lunch is found already spread and awaiting the



The Ice Box.

VIEWS OF THE STORE OF MR. C. A. SAMUELSON, CHICAGO.

attack. It is the hour of relaxation and jokes and stories are in order. Mr. Earl asks that grace be said by the newest married man at the table, whereat a youth nearby blushes furiously. Mr. Smyth notes that some have not visited the barber of late and asks if the price of shaves has gone up. Suddenly one bright youth wishes everybody a merry Christmas, having just noted that it is now Christmas day. The lunch disposed of, all return to work, and it is 5 a. m. before the orders are all disposed of. Something over 500 different cut flower orders have been selected, packed, and placed ready for delivery.

A few hours later the force is at it again, some having had no opportunity to close their eyes in sleep. The stock that remained after filling the orders is sorted over, placed in suitable jars, and brought up and set on the counter for the morning sales, while the five wagons are busy making their deliveries. Sales are good, though prices on some lines of stock are not so stiff as the night before. The best has been selected out, and the salesmen are more generous with stock of which there seems to be a surplus. More stock could have been sold on orders earlier in the week, but the lookout for supply was not the best, and orders were taken cautiously. When the stock came there was more of it than anticipated. Quite a lot of violets are left, but they go fast in the morning. An arrangement that appeals to customers is a little hamper of violet colored wicker work, a piece of crepe paper with purple figures on it placed loosely in, and nestling in this three bunches of violets. These arrangements go at $3.75; $3 for the violets and 75 cents for the hamper.

The best Beauties, with stems thirty-six inches and over in length, are billed at $18 a dozen, the next best at $12 to $15 a dozen, the next at $9 and still shorter at $6. Extra Maids, Meteors and Brides go at $5 a dozen, good quality at $4, while some are sold at $3. Carnations are 75 cents to $1 a dozen, Harrisii, $4 a dozen, narcissus $1 a dozen, Roman hyacinths 75 cents a dozen, stevia, 50 cents a dozen sprays. But this stevia is fine. Grown as this is it is a beautiful and very graceful thing. It is not to be compared with the "hay" so often seen.

A few belated plants are being sent out. A popular thing was an 8-inch pan into which four primulas of different colors had been placed. These are grown in separate pots and placed in the pans as ordered.

It is toward noon and time for closing. Trade has been better than expected. There has been more stock to sell than was anticipated. The sales have been good and but little stock remains. But a few kicks come in to mar the happiness of the florist. A lady to whom Meteor roses were sent with the thought that a special favor had been done her, returns the roses with an indignant message. She preferred Brides. The Brides are now all gone. They were "worked off" in boxes of mixed flowers. The Meteors could have been placed to advantage a dozen times the night before, but it is now too late. A deliveryman returns with two boxes he cannot deliver. "No such parties live at those addresses," says he. Both had been ordered by one person, to be sent to another one, some friend to be remembered, and when ordering had given the wrong address. On consulting the directory the correct address of one was discovered and the deliveryman started off again, but the other could not be located and the flowers remained on hand with visions of a dissatisfied and disappointed customer in the mind of the florist.

And so closed the Christmas trade of 1897 for Mr. Wienhoeber.



NEW FRENCH CHRYSANTHEMUMS.

We are pleased to be able to present herewith a page group of M. Calvat's new chrysanthemums which have been so well received in England. But few American growers have yet had opportunity to test them, but those who have seem very much impressed by them and believe the collection contains a number that will be exceedingly valuable.

Mr. C. Harman Payne, secretary of the English National Chrysanthemum Society, writing to the English *Gardeners' Chronicle*, has this to say about them:

"The season of 1897 will be remarkable for the large number of very fine, large flowering, Japanese chrysanthemums of French origin and the absence of anything like serious competition from the other side of the Atlantic. The number is considerable and it seems scarcely likely that all the novelties can remain with us for long, but that we shall be compelled to make our selection of the best and leave the remainder to their fate.

"There are several new whites of promise, Mme. Deis, Fee de Champsaur, and Mme. J. Smeers, being of that color. Topaz Oriental is a fine pale yellow; M. W. H. Fowler, pale pearly, silvery pink. One of the finest and best is undoubtedly Mlle. Lucie Faure, a big, solid, incurving Japanese of great size and substance, color purest of whites faintly tinted in the center. Mme G. Bruant is a large white, tinted purple, Mme. Ed. Roger is a pale sea-green incurved Japanese, very distinct and curious; Princess de Galles is also a big white flower with long florets; Werther, Surpasse Amiral, Souv. de Molines, Congres de Bourges, Iserette and Mme. Rey Jouvin are several more that will be met next year. M. Massange de Souvrex is a pure yellow and a large bloom; Souv. de M. F. Rosette, deep plum colored amaranth. * * * * Another fine Japanese, globular incurved, is Mme. Ferlat, pure white.

"N. C. S. Jubilee is everywhere good and of a peculiarly soft lavender pink, with broad incurving florets, having a reverse of silvery pink; Directeur Lebert, large lilac-mauve; Mlle. L. Zede, a big solid violet with silvery pink reverse, was very fine on the continent last year and promises well here; Mme. A. Rousseau, rosy-mauve, reverse silvery; Mme. R. Grenier is pure white.

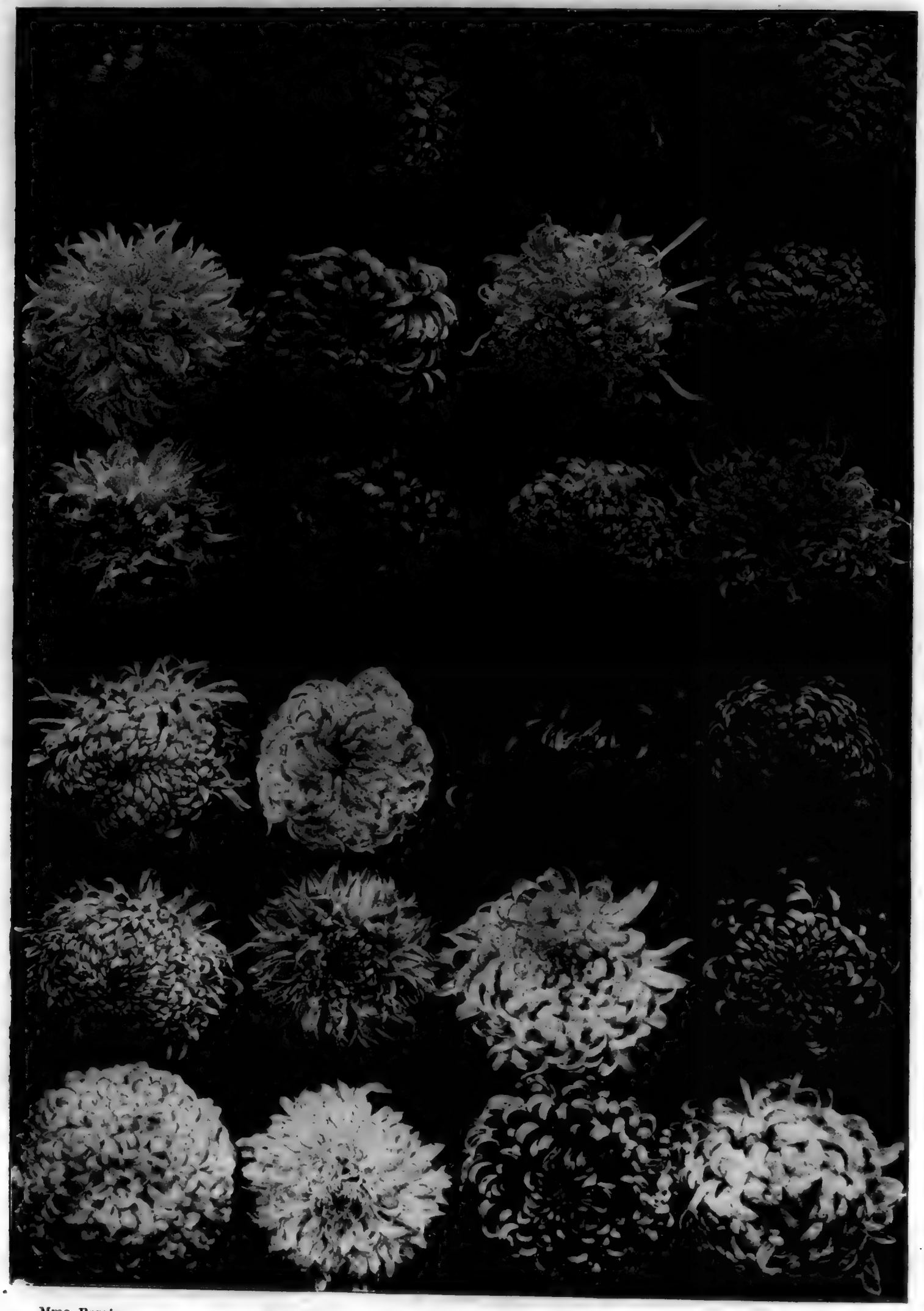
"From the above brief description it will be seen that good crimson and rich purples are not much in evidence this year, but otherwise there should be a very extensive selection for those desiring to increase their collections. * * *"

In the English *Gardeners' Magazine* appear the following descriptions of some of the varieties illustrated: "President Nonin is a grand flower of chamois yellow color and long curling petals; crisp and full. The plant dwarf and vigorous.

"Beaute Grenobloise may be compared to Lady Byron; the color is pure white on early buds but tinted blush on late ones.

"Secretary Fierens is a good variety and likely to become popular; the color is a gold-shaded crimson and the flower of a drooping habit, large and full. Souv. de Mme. F. Rosette is a very dwarf plant with good flowers of purple amaranth; for October blooming Mme. G. Bruant will be a first rate exhibition variety, it has broad, flat and drooping petals, color, a warm rosy shade and a white ground."

"This year, as before, the Calvat race seems to embody those massive propor-



Mme. Bergier
Fee du Champsaur
Mme. A. Brun
Pres. Nonin
M. M. de Louvrex
Mlle. Lucie Faure

Mme. Edm. Roger
M. B. Verlot
Souv. de Molines
Mme. Ferlat
Mme. A. Rosseau
Mme. Dels

Werther
Princess de Galles
M. G. Chavanne
Sec'y Fierens
Beaute Grenobloise
Iserette

N. C. S. Jubilee
Topaze Orientale
Mme. G. Bruant
Marfa
Souv. de Mme. F. Rosette
Mme. X. Rey-Jouvin

M. CALVAT'S NEW CHRYSANTHEMUMS FOR 1897.

tions and that heaviness of build that appeal to English exhibitors so much and of which his earlier gains gave so much promise. The best of M. Calvat's most recent gains are unquestionably Director Liebert, a fine globular bloom, having grooved and curly florets, large in size and deep lilac-mauve in color; N. C. S. Jubilee, a charming addition, solid, compact and finely incurved, color silver pink, reverse inside florets lavender pink; Mme. Ferlat, a noble new white, solid and massive with incurving florets; M. M. de Louvrex is a fine new yellow; Souv. Rosette, big solid, incurving, with pointed florets, plum colored; Mme. X. Rey Jouvin, very pretty incurving bloom with broad grooved florets, deep rosy pink and slightly hairy; Werther, rich purple amaranth; Souv. de Molines, crimson bronze, tipped and reversed in gold; Princesse de Galles, a fine large white with great length of floret; Mme. A. Rousseau, Mme. G. Bruant, Iserette, Mlle. Lucie Faure, large fine whites; Topaz Oriental, fine pale yellow; Mme. Deis, white; Fee de Champsaur, long white florets. All these are this year's novelties."

C. Harman Payne's Dec. 4th Report says: "It is never safe to prophesy, especially in chrysanthemums, but if I am not mistaken in my estimate of these novelties, Mlle. Lucie Faure, Mme. Ferlat and Mlle. L. Zede, will occupy the foremost position when the 1897 novelties are fully distributed. Mlle. Lucie Faure is a most superb novelty of Jap. incurved type. The florets are of great length, good substance and deeply grooved, color of the purest white; will probably rank as one of Calvat's best. * * * M. G. Chavanne is a closely built Jap. incurved, broad florets, color rich and golden yellow."

CHRYSANTHEMUM NOTES.

Retrospection.

This is the season of the year when the florist looks up his stray "mum" notes and settles on what varieties he will grow next year. It is not a bit of use keeping a lot of varieties that are of a delicate constitution. Many fine kinds are, I know, indifferent growers, but anything unsatisfactory and unremunerative should be dropped from the list. There will still be plenty of fine material left, and this yearly weeding out, this survival of the fittest, is a necessary operation in order to keep up with the times.

It may cost many a sigh of regret to have to drop an old favorite like the Queen, say, but the Queen must go. Many growers still hang on to it, but one sees very few in Jersey. That eye will not conform to the florist's ideal and must go. Such is greatness. Yellows seemed to have the call this year; good deep yellows that look yellow at all times and do not change to a sickly white when they come in contact with an electric light. Such had a ready sale, though we did well with Miss G. Bramhall. It is pale, but its form is superb, and it was a winner every time we exhibited it. To get it just to perfection for showing it should be put in a cool, almost dark, cellar for a few days before the show. The petals will close up tight in the center and the contour and finish of the bloom is unsurpassed. Many growers find that Bramhall has a weak neck, but there is nothing weak about it with us, and we can say the same of Mrs. Robinson, which fact causes the carping critic to remark that it is only because of our lime impregnated water that we are not troub'ed in this respect. Let him carp. He may be right, though it ought to be an easy matter for any grower to give his plants a dose of lime water now and then.

Mrs. Robinson is our early white sure. Some growers claim they cannot get a good percentage of fine flowers from it, but with us no variety was so uniform, and out of six times exhibited by us it was six times a winner. The fact of a weak neck is generally the result of planting too closely. While we cannot these days afford to waste any room, crowding is only a robbing Peter to pay Paul policy, the results of which are painfully apparent in every flower store during the flowering season. What use is a six-foot stem if it is literally dragged up? No wonder even the flower hangs its head with shame at such an unnatural policy. The "mum" is a mighty long-suffering plant or it would not flower at all, and when the worm does turn once in a while, at once a storm of protest arises and such and such a variety is no good, because after it had been kicked around all summer and abused in every way, it failed to do well.

I say, give your plants a chance, brothers, and get the sun and air through them. We would not like to have to guarantee flowers of exhibition finish in every detail of foliage and stem (and we would not like to grow any other kind) with less space than nine inches between the rows and eight between the single stemmed plants, with the exception, perhaps, of varieties of the Philadelphia type. We have planted Mrs. Robinson, Zulinda, Dean Hole, and Miss G. Pitcher a foot apart each way with splendid results and trusted to the higher price to pay us for our lack of quantity. We can get the top price while all around us small flowers are thick as "Autumn leaves in Vallambrosa," or any other old place. How many of you got $5 a dozen for Robinson? We did, and we had others, lots of them. Season of '97, fare thee well! C. Totty.

NEW CHRYSANTHEMUM "MERRY CHRISTMAS."

We have received from Messrs. Fred. Dorner & Sons Co., Lafayette, Ind., four blooms of this magnificent late white chrysanthemum. It certainly is a beauty and the blooms were remarkably fine for so late in the season, being equal in quality to some of the standard mid-season sorts, and we have never seen a purer white flower.

These flowers were cut on Christmas day and the plants were growing in the same house with the earlier varieties. When the earlier and mid-season varieties were already half open Merry Christm s was just showing the first sign of buds, showing that it is naturally very late. There is certainly a place for such a splendid flower that can be cut in quantity for Christmas sales.

PINK IVORY AND MRS. PERRIN.

Replying to your correspondent I will say that there is little to choose in the height of Pink Ivory and Mrs. Perrin. What little there is may be to the advantage of Pink Ivory, but complaints are rife all over the country that it came streaked this year, in some cases reverting back to the parent.

It has been a very unsatisfactory year for pinks of all shades; Helen Bloodgood has been away off, and it would seem that the ideal pink is still to come.

C. Totty.

ORCHIDS

DENDROBIUMS FOR MARKET.

The dendrobium is by no means difficult to grow, and will present much better returns for the trouble bestowed upon them than is generally supposed. The variety Wardianum is very floriferous and will throw from twenty to thirty large flowers from every good psuedo-bulb you may put upon the plant—and, of course, all smaller growths will flower proportionately. They are easily flowered at a season when such flowers are appreciated—that is Christmas to Easter—at which time you may expect from eight to ten cents per flower. Note the attention and space required for a hundred 6-inch pots of dendrobiums, capable of producing a hundred flowers to the pot, and that of the same number of American Beauty roses.

Nobile, already a great favorite in the market, and so easily handled, is, I believe, the cheapest dendrobium in com-



Dendrobium Wardianum.

merce. So buy this in quantity and fix up small bits in 4-inch baskets; the plant in flower would undoubtedly find a ready sale, and if successfully handled would prove a great source of revenue. To be successful with these two varieties you must endeavor to have all growth finished upon them not later than the end of July, which will enable you to strike the Christmas trade with a portion of your stock, the remainder you can retard or flower at pleasure.

To accomplish this, start your plants into growth early in January, and keep them growing; let the night temperature be as near 70° as you can keep it; give abundance of water at the root and overhead, as soon as you get good root action, and encourage the growths by frequent applications of liquid manure from fresh horse droppings. And be it understood that they require a decided period of rest after the growing process, when they should be removed to a cool, airy, dry atmosphere with full exposure to light and sunshine, to thoroughly ripen the psuedo bulbs, as upon this depends your crop of flowers; and during the resting period, water must be applied very cautiously as they are very easily excited into growth at this season. On no account allow the bulbs to shrivel, in fact, keep the foliage upon them if possible, which is not a difficult matter in the case of nobile, as this will enhance the value of them commercially.

Baskets or the ordinary orchid pans are preferable to pots, as much valuable space is economized by suspending them from the roof. Use hard, dry fern stems for growing on, crocks are not necessary in this case, and topdress with chopped sphagnum, after the roots have run a little.

For early fall trade grow Dendrobium formosum giganteum. Dendrobium Phalænopsis Schroderianum formosum is perhaps unequaled in the genus. It is pure white with an orange yellow throat, bears from three to six flowers from each bulb, four to six inches across, and is a most desirable variety for cut flowers. It seldom returns less than twenty cents per flower. Pot culture is advisable for this variety. Drain the pots well and use hard, dry pieces of fern stems for growing on, topdress eventually with sphagnum. To grow and when growing, treat as advised for Wardianum and nobile, but unlike these varieties, this requires a long rest after flowering when it should be placed close to the glass in a cool airy house exposed to the sun, with just enough water to keep it plump.

Phalænopsis, another grand acquisition to the trade, has graceful sprays and rich colored flowers, which are sufficient to attract the attention of anyone in quest of a rich decoration. This, like formosum, requires resting after it has flowered, and like that variety, the more exposed to the sun, the stronger they will break away when started growing again, but unlike those varieties mentioned, this one is very susceptible to water, especially over head. However, if grown in a genial, moist atmosphere, they will fare very well until the weather permits of free ventilation, when they may be sprayed once or twice a day. Guard particularly against a sudden fall in temperature. When fairly under way give ample water at the root and feed well, as it is a very good grower. This variety should be suspended from the rafters and does well when grown in small orchid pans. Curtail the size of pan to a minimum in comparison to to the plant. For potting material chopped fern stems will meet all their requirements, and topdress with sphagnum when you find it difficult to keep them moist.

J. ROBERTSON.

Madison, N. J.

EPIPHYTES.

Is it material, or a knowledge of their requirements, that is necessary to the successful culture of orchids? I read with a degree of interest, in the *American Florist*, of December 11, page 456, an article on the definition of peat, and the best natural fibre, for orchid culture, with a few interesting facts on how things are done in Europe, and how in England our fern roots were a complete failure, and the great difficulty experienced in re-basketing some cattleyas, as I take it, that had too many roots for the baskets they occupied. Now, to anyone in possession of cattleyas in baskets with abundance of root, I should say, do not kill them as described in the above mentioned paper, but let them remain right there, and do not worry should they eat the basket clean up. You cannot give a cattleya better material to grow in than a mass of its own roots, that is, if kept in a healthy condition. Composts are not absolutely essential, nor, should I say, much of a criterion to go by, as it is an understood fact that a great many orchids have been successfully grown and flowered in good loam and also in pure leaf soil.

M.

CYPRIPEDIUM NOTES.

The most satisfactory feature about a collection of cypripediums is that you always have some in flower, but now is practically the height of their season, and calling recently to see a superb collection, I was fortunate enough to find some of the very best in flower and not a few of them American raised varieties. Foremost among them is Pygmalion, a cross between villosum and ciliolare, and a flower of great distinction and magnificent proportions. The large dorsal sepal recurves gracefully, is lined with

brown over a suffusion of light green, the margins pure white. The long petals are deflexed in pretty curves and with the pouch have that highly polished color so characteristic of the first named parent.

Eurylocus is a striking cypripedium of strong and decided coloring. It has been raised on both sides of the water by Veitch in London, and Pitcher at Short Hills, being a cross between ciliolare and hirsutissimum. The dorsal sepal is lined in deep claret purple overlying a lighter purple hue, the margins slightly white. The petals are profusely spotted with black and edged with long dark hairs, while the prominent pouch is of a uniform deep vinous purple, intense and showy in effect.

Alcides is another fine hybrid from hirsutissimum and insigne, while insigne Chantini crossed with the same species gives a still finer type, called Alcides Clio. The dorsal sepal is deep green at its base, profusely spotted, the upper half pure white. The petals are long and extra broad, freely spotted, with their apices richly dyed in mauve purple. A long light brown pouch combines to make up a flower of unique distinctiveness, so prettily undulated or wavy in outline.

Bessie K. Pitcher, another American seedling, comes from villosum and Masareelianum, and has pretty features of its own, especially in the dorsal sepal, which has all around it a well defined margin of green, the body color being whitish green suffused and dotted with brown. The petals have reticulated markings in brown and the pouch is light brown with green suffusions externally, its inner surface covered with diminutive red spots.

C. Schlesengerianum, another American seedling, from Boxallii and insigne Maulei, has a conspicuous dark green dorsal sepal, profusely brown spotted, while the reticulated markings on the petals and pouch impart to it charms of its own. The different forms of C. Œnanthum are numerous, but one of the best was noted as Œnanthum giganteum, and it lives up to its name. The edges of the dorsal sepal recurve at about the center, folding back till they meet. It is light yellow, spotted with brown and tipped with pure white, the petals of more pronounced color in fawn yellow.

Lathamianum inversum, as the name implies, is the inverse cross of Spicerianum and villosum which gave the type. In this variety the dorsal sepal is almost pure white stained with green at its base. The light green petals are freely brown spotted, the pouch also shaded in green and brown.

C. Hurrellianum, from Argus and Curtisi, is a very fine variety that was raised at Short Hills. In the dorsal sepal, vertical lines of purple stand out conspicuously from a lighter ground color and the petals edged with long hairs are also spotted all over in purple.

C. Comus, an American seedling from insigne and Swanianum, shows evidences of both parents in its coloring and form, while C. Protus, also raised in America, has peculiarly distinctive features in its extra long and narrow sepals and petals, and thin pouch of semi-transparency.

C. Gravesiæ superbum has Argus and niveum for its parents and shows some exquisite spotting on its petals in contrast with a pretty greenish pouch.

C. modestum, as its name would imply, has modest pretensions to beauty, but there is a quaint and quiet charm in its neutral tints in green and brown. It is a hybrid between Harrisianum and tonsum, the latter parent's characteristics predominating.

C. Hebe was raised at Short Hills by crossing Spicerianum and Stonei. Though dwarf in growth and short in stem, it has a flower of great beauty and is a real gem, with a broad dorsal sepal, mainly white, wavy brown spotted petals and a light chocolate brown pouch. A variety I noted in this collection bore the name of purpureum and is truthfully named as all the colored parts of the typical form are in this greatly accentuated, the dorsal sepal being richly stained at its base with crimson purple, while the petals and pouch are correspondingly dark tinted.

C. Victoria Marie is a handsome, and as yet little known, species introduced by F. Sander & Co., and while possessed of marked distinction in itself, some very striking hybrids from it may result in the future. In the first place, it attracts notice by reason of its great length of stem, the flowers being borne on stems nearly two feet long. The dorsal sepal partakes after that of C. Mastersi, while the petals have the wavy outline and screw-like twist of C. Chamberlainianum. It is given specific rank, but there are characteristics of two other "cyps" so plainly manifest in it as almost to indicate hybrid origin, perhaps a chance hybrid in the distant country of its origin.

Leeanum was first raised by Sir Trevor Lawrence, between Spicerianum and insigne. There are now quite a number of varieties and among these again the very best of them all, that named Masareelianum, emanated from Short Hills. If, among the hundreds of "cyps" in cultivation, I had to make my choice of six I would unhesitatingly take this for one of them, as its great beauty is apparent to and can be appreciated by all who see it. Its dorsal sepal is very large, the main portion of it purest white; its curvatures are most elegant, the edges recurving till they meet and overlap. Looking at it from the back you have in most perfect form (minus the spadix) a lovely miniature of the Arum lily in spotless white. The front of the dorsal sepal at its base is marked with spots and faint lines of purple, the petals and pouch being brownish yellow. While the flowers are so fine they are likewise borne freely on strong stems, frequently coming twin-flowered, the second flower separated from the first by about two inches more growth of stem.

Another very fine form, named giganteum, is all the name would imply, having a dorsal sepal of great size and breadth and purity of coloring, extra width being apparent in the petals and a bold pouch combining to make up a truly magnificent flower.

Burfordense, superbum and pulchellum are also varieties of Leeanum, with sufficient distinction to justify their varietal names. The above are but a few of the many now blooming. "Cyps" are with us always in greater or lesser quantity, and one could make notes of them every month in the year without repetition of kinds.

A. Herrington.

Madison, N. J.

AZALEAS FOR CHRISTMAS.

As years go by the increased demand for azaleas at Christmas is evident and so I have compiled a list of a few of those most susceptible to forcing and that can be relied upon to "come evenly," and those usually forced by one of the largest growers in the vicinity of New York. Following is the list and though it contains one or two whose colors are not quite up to the mark, yet at Christmas "everything goes" and color is not such an object as a well flowered plant:

Mme. Van der Cruyssen, carmine; Simon Mardner, rich pink; Mme. Langenhoye, white, striped with red and pink; Mme. de Greve, dull pink, like Vervæneana, but single; Pauline Mardner, reddish pink; Vervæneana, pink and white striped; Apollo, bright brick red; Deutsche Perle, white.

"There are others," but these can be termed sure forcers. To secure for Christmas, house them from the 1st to 10th of November, temperature 65° with an increase of 10° during the day, syringe thoroughly three times if much sunshine, dull days damp down only. This is the rule for imported plants, old plants and American grown take about two weeks longer and require more syringing as the wood is riper and harder. When in full bloom place in a dry, airy house and leave a little air on at night to carry off superfluous moisture, or your flowers will damp off. Never let your plants suffer for want of water, however, at any time.

B.

AN EASY METHOD OF KEEPING GREENHOUSE PLANTS FREE OF APHIS AND RED SPIDER DURING THE WINTER SEASON.

Of the many methods now in vogue among florists for the prevention or destruction of the aphis and red spider, the writer believes that the one given below should have a place:

Tobacco is the agent most commonly employed to rid plants of the aphis. The various ways in which it may be used are too well known to florists to need repetition here. It is sufficient to say that they include preventive as well as remedial measures, which are all more or less effective. In the red spider we have a much more difficult foe with which to contend. Unlike the aphis this pest is little affected by tobacco as ordinarily used for the aphis. If allowed to become established in any numbers they are exceedingly difficult to dislodge. Frequent syringings of the affected plants with the hose, and a liberal use of sulphur on the heating pipes are the most effectual means which are commonly used. On the other hand, however, a careful attention to the condition of the atmosphere in the house and a liberal use of sulphur



Bed of Cannas bordered with Acalyphas.

on the pipes, when heavy firing is necessary, will in almost all cases be a sufficient safeguard against the ravages of this insect pest.

For the past two seasons the writer has kept the steam pipes of the Station greenhouses painted with a tobacco extract, known as the Rose Leaf Insecticide. During the same period, sulphur mixed with water to a thin paste has also been applied in the same manner.

In view of the fact that tobacco and sulphur are each effectual means, when judiciously used, to keep aphis and red spider in check, a combination of the two seemed to the writer to contain the essential requisites of a preventive and remedial agent for both. To accomplish this it was only necessary to dilute the tobacco extract with water, about one-fourth or one-third, and then add enough of the "flowers of sulphur" to make it of suitable consistency to apply to the pipes with an ordinary paint brush.

The results obtained from the application of this combination, which for the want of a better term I shall call "sulpho-tobacco liquid," have been so satisfactory as to justify their being brought to the notice of the readers of the FLORISTS' REVIEW. An application of sulpho-tobacco liquid will, under ordinary conditions of firing, be effective at least a week. The fumes of the two may be intensified by wetting the pipes occasionally with a fine spray of water. This should be done in the evening.

It is believed that if the method outlined above is rigorously followed, both the aphis and red spider may be kept down, even though they may have obtained a foothold previous to its use. The adhesive qualities of the tobacco liquid serve to retain the sulphur on the pipes much better than when the latter is mixed with water or even with lime.

WILLIAM STUART,
Assistant Botanist.
Experiment Station, Lafayette, Ind.

CANNAS BORDERED WITH ACALYPHAS.

Here is a bed of cannas with a young ailantus in the center. The central part of the bed is filled with Mme. Crozy, the outside row being Queen Charlotte. The border is of Acalypha Macafeeana and tricolor.

After frost the acalyphas are taken up, cut back, potted in same soil as for geraniums, and placed in a temperature of 70°, where in a short time they recover and start new growth. Cuttings are taken from the young shoots and inserted in sand on bottom heat of 70° with top temperature of 60°, watered sparingly and when rooted are potted in 2½-inch pots. The plants are kept in a temperature of 70° and as they grow are given larger pots as required. The plants can be grown more cheaply than geraniums but not so cheaply as coleuses. They should not be bedded out until it is safe for coleuses.

Acalypha tricolor has the finest coloring, but Macafeeana is easier to propagate and grows more quickly, and its coloring is very good.

A PRETTY DECORATION.

A pretty reception decoration recently arranged by Mr. J. Gormley, with Mr. E. Wienhoeber, the Chicago florist, included two screens, each six feet high and four feet wide, covered with wild smilax with a tall vase of pink roses between the two, the roses carried out over the surface of the screens as though a climbing rose had spread over the surface and covered it with a burst of bloom. The effect was very handsome. Two ladies attired in pink dresses received in front of this screen.

Another pretty thing arranged this fall by Mr. Gormley was a corner effect. A big piece of bamboo, about ten feet long and five inches in diameter, had three openings cut in it in Japanese style and in each of these openings was placed a bunch of nine big yellow chrysanthemums, while a bow of broad yellow ribbon was tied to the bamboo between the bunches of chrysanthemums. This was stood in the corner of the room and was much admired. It was for a "Japanese tea" and the furnishings of the room and other decorations were in harmony with the corner decoration noted.

MILDEW OF ORNAMENTAL PLANTS.

Several of the plants of the ornamental grounds and the conservatory are subject to the attacks of the powdery mildews. One is apt to think of the lilac as the shrub that of all others is subject to this disease. Fruit growers see the same group of enemies upon the grape and more particularly upon the gooseberry and the young twigs and leaves of the cherry and peach. The powdery mildews flourish upon the Virginia creeper and the honeysuckle so that vines are not exempt, neither are the herbs, for grasses are often troubled by them, and oxalis and geranium in the wild state are often attacked. In short these mildews are common upon plants generally.

The accompanying engraving shows

the appearance of a portion of a leaf of cultivated phlox that is badly blotched with the mildew. The picture as a whole looks strange, because owing to the considerable enlargement only a small part of the leaf is shown, the whole leaf would have reached across the entire page and taken up much unnecessary space. The lower and narrow part of the leaf is near the end that was attached to the stem and here the mildew covers the whole surface with a thick coat.

The leaves of the phlox generally begin to become mildewed at or near the base and later on the fungus appears in spots upon the broad blade of the leaf. The reason for this may be that a greater amount of moisture collects upon the base of the leaf where it joins the stem than elsewhere.

One of the important points shown by this enlarged view of the mildew is the radiating growth of the fungus. It is easy to suppose that there were as many points of inoculation as there are star-shaped patches of mildew upon the leaf. The original spore probably alighted somewhere near the center of each patch, and starting there developed threads that pushed out in all directions for new feeding ground.

It might be stated in passing that these mildews do not enter the leaf, but grow upon the surface only and suck out the substances from the leaf as needed by the mildew for its growth and multiplication. This multiplication is effected by upright filaments, that can scarcely be seen in the engraving, the tips of which form cells that fall away as spores. These spores are for the rapid propagation of the mildew, and more than likely each of the white blotches upon the leaf in the picture is from such a spore.

Later on in the development of the mildew there is a second form of spore formed inside of a dark spherical body. Near the base of the leaf some of these bodies may be seen as dark specks arranged in clusters and varying in size. These winter spores, as they are termed, do not germinate as soon as formed, but remain quiet over winter and start the mildew upon another season's work the next spring.

A knowledge of the life cycle of these mildews is of some value in suggesting the treatment. Thus it is seen that the fungus spreads by means of minute spores that may be carried by the winds or washed from plant to plant by the hose when the watering is done in a greenhouse, or by showers out of doors. These mildews need a moist surface of the plant in order that the spores may germinate. It is important, therefore, so far as mildews are concerned, that the foliage be kept as dry as practicable. Again, it is seen that the attack is at the surface. It is there that one must place any substance that may serve as a check to the fungus. If there is a thin layer of a substance called a fungicide, usually some compound of copper and generally the Bordeaux mixture, placed upon the surface, the spores as they arrive may be killed as they start to grow, and if they are already there the substance may destroy them even after they have spread to some extent.

Sometimes the substance is a powder that is dusted upon the foliage, and flowers of sulphur is the one most frequently used for this purpose. The grower must use that which is harmless to the plant and destructive to the fungus, a task that has proved difficult to those who have been working upon remedies for the fungous enemies of our plants.

Byron D. Halsted.

Rutger's College, Dec. 18, 1897.

SUGGESTIONS TO SMALL FLORISTS.

In nearly every town and smaller cities we find generally one or more greenhouse establishments where a mixed assortment of plants and flowers are grown for the local demand only. Here the proprietor is called upon to perform every



Mildew of Ornamental Plants.

imaginable kind of work, from laying out and planting a garden to the making up of brides' bouquets and funeral work. He is supposed to know everything pertaining to horticulture and floriculture and is consulted not only when a flower bed is to be laid out, but also when shrubs and ornamental stock or perhaps fruit trees are to be planted. It is surprising how great a percentage of these hard working men really can give the desired information, many of them having gained this knowledge in their long and varied experience; others are careful students and read the leading works on those branches of the trade in which they may feel themselves only weakly posted. It is not astonishing that mistakes, more or less serious, will occur frequently, for no one man can reasonably be expected to be infallible in all details of the many branches of horticulture.

Men who are established in such towns can gain a wealth of knowledge on all topics pertaining to their vocation by simply reading the Florists' Review; in its columns our most eminent and experienced men, whose authority can not be questioned, give their ideas freely, each one having his specialty in which he excels, and what he says is carefully weighed and considered before giving it to the public; therefore, in ninety-nine cases out of a hundred may be relied upon. Also the editor of this paper has a long and wide experience behind him. I know too, that he is exceedingly watchful not to allow any doubtful matter enter into the columns of the Review and this should be another weighty reason why our florists in the smaller towns, who seldom have a chance to exchange ideas with their brothers in the larger cities, will find it to their advantage to read the new weekly from first to the last page.

"No other florist paper can compare with the Review in style as well as in arrangement and substance of reading matter, while the illustrations are equal to the best I have ever seen." This was the remark made by one of our leading florists when he received the first issue. The reader may pardon me for saying these few words in favor of the paper and the men who write for it. I am an occasional contributor myself and perhaps you have an idea that I am vain enough to think that my name should be included among those of the "eminent and experienced men." No, I do not want to be misunderstood; what I have written in the past was dictated merely by every day practical experience and observation during the last forty years or more, and most of my writings were only plain descriptions of some hardy plants and the situation best adapted for their welfare. Any man familiar with a special class of plants is able to describe their habit, flowers and foliage and knows what soil and surroundings suit them best, and I do not claim to possess any superior knowledge than many of my brother florists, nor can I say that I know all of the hardy perennials, but during my life I had an opportunity to become familiar with a great many of these interesting and useful plants, and they always were my favorites, because they were hardy and could endure our cold winters.

My interest in perennials was awakened when I was a very small boy, less than ten years old. My father had allowed me a little corner in the garden where I could dig and sow seeds and plant whatever I took a fancy to. One day he bought a fine large plant of fancy pelargonium for me which I planted out into one of my beds, where it grew to extra large size, but, naturally enough, the following winter it died in the cold, and when spring came I waited in vain to see it sprout like the lilacs, deutzias and snowballs near by. From that time on I was always particular not to plant anything in my garden which was not perfectly hardy, and when at the age of fifteen, I entered the profession, I was quite proud of my knowledge of hardy plants, but very soon found out that I knew only very little about them.

But I must stop, this is not to be a



Bed of Cannas Bordered with Pennisetum.

biography; what I was going to say today is for the florist in small cities, who probably has a sash house without heating arrangement of any kind in which he grows his early chrysanthemums and which he utilizes in winter to store hydrangeas or half hardy roses and shrubs for forcing. He may not want all the room in it for that purpose and can spare a bench here for the old fashioned fringed pink. You can plant the clumps at any time in the winter whenever you can get a chance to dig them up; they will keep dormant and will not start into growth until the sun is higher, towards spring, and usually come in full bloom about Easter time without any fireheat. Of course, after the growth is fairly advanced they want a little attention as to watering, airing, etc., and as their habit and growth is very compact and close they should at no time be watered or syringed overhead, else the moisture may cause rot in the thick mass of branches and foliage. In a cold place like this there is no chance for red spider to take hold, and syringing can safely be dispensed with, but when the soil in which they are planted becomes too dry water can be administered by pushing the hose under the plants close to the ground, the force of the water being regulated by turning the faucet so as to avoid heavy splashing. Years ago, as many of the older florists will remember, these pinks were grown everywhere in large quantities, but since we have so many good carnations they have taken a back seat and are now only grown in very few places, exclusively for home consuming. None are sent to the markets, yet in many instances we miss them for making up designs, etc., when carnations are scarce.

It may happen after the holidays that there is unoccupied space in a moderately cool house for a time, which space could be utilized frequently for forcing on a few of these plants if they were potted up. Their highly scented flowers will come handy at any time and they are excellent keepers so long as we keep them in a cool house. Whoever has a stock of these plants should not neglect to take in a few at least for a trial. Cuttings may be taken any time in winter or spring from plants grown out doors. Anything in the shape of a cutting will root when treated the same as a carnation cutting. We have frequently chopped off a few old clumps while frozen stiff and covered with a foot or more of snow for the purpose of propagating therefrom, but plants which have flowered under glass will answer as well. When rooted they may either be potted off singly or boxed, and in spring should be planted in a sunny bed, where they will make good bushy plants in one season without any pinching in. Such one-year old stock is best for the purpose mentioned; when older, the center of the clumps gets loose and bare and the branchlets become more elongated and weak, causing the flower stems to fall over with the weight of the buds and flowers. Any of the various varieties will answer the purpose, Snow, or the ordinary fringed white, but I consider Her Majesty superior to the others, not only for its larger sized flowers, but also on account of its stouter stems and robust growth. When well grown and disbudded it is as large as an average white carnation. K.

CANNAS BORDERED WITH PENNISETUM.

The bed of cannas shown in the accompanying engraving, occupied a position immediately in front of the conservatory in Lincoln Park, Chicago, last summer. The cannas were Alphonse Bouvier and the border was of Pennisetum longistylum, a very pretty plumed grass.

The propagation of the pennisetum is very simple. Mr. Stromback takes up three or four clumps in the fall, trims off foliage, etc., places in a box and sets them under the bench in a house with a temperature of 40° or 45°. In March he shakes out the soil, tears the clumps to pieces and pots the pieces, placing two or three runners in a 3 or 4-inch pot. They are then placed in a house with a temperature of 60° and an even moisture maintained. They make plants in a short time and are bedded out the latter part of May or early in June.

The plants can also be grown from seed, but above method makes plants quicker. To start a stock seed could be used.

OUR GENERAL INTRODUCTION.

Group No. 4 of our general introduction will appear next week. Subscribers are invited to send in cabinet size photographs of themselves, to appear in these groups, but please do not send us photos that must be returned, as we are obliged to cut them in arranging them in the groups.

MR. DORNER'S Carnation Notes will be continued next week.

CHICAGO.

Among the Retailers.

All the retailers report a very satisfactory Christmas trade, many noting a considerable increase over last year. With quite a number there was a much larger call for blooming plants in preference to cut flowers, customers feeling that they were getting better value in a few plants that would remain attractive for several weeks, while the cut flowers would last only a few days. And plants attractively dressed with crepe paper and ribbon seemed to quickly catch and hold the attention of transient buyers. At the same time the sales of cut flowers were very large. The sales of greens were good but would have been much larger had the weather been less severe, enabling the retailers to display these goods in front of their stores and keep a salesman there. The supply of flowers was fortunately much larger than had been anticipated in view of the stretch of dark days that preceded Christmas, and the quality was better than the dealers had dared to hope for. The few days of sunshine just before Christmas, and which all feared would be too late to be of value, must have done some good after all. Many growers cut more flowers at the right time for Christmas sales than they had cut any week for a month. Of course there was some pickled stock, but there seemed to have been less pickling this year than for some seasons past. It was remarkable that the Beauties and Meteors held their color so well after having experienced so many weeks of dark, gloomy weather. In view of the indications the early part of the week of a short supply the large Christmas trade was peculiarly gratifying.

Mr. E. Wienhoeber did a big business in both plants and cut flowers. A full description of his Christmas trade will be found under the heading: "Christmas eve with a retail florist."

Chas. A. Samuelson noted a marked increase in the call for blooming plants, the largest demand being for azaleas, cyclamens, tulips in boxes, etc. He sold large numbers of inside window boxes planted with blooming cyclamens and tulips. Some planted with Begonia incarnata did not sell so well. Did not seem to be bright enough in color to catch the popular fancy. The pans for these window boxes are filled at the greenhouses, and when placed in an olive green wicker work cover, and tied with ribbon of the same shade, make very attractive Christmas gifts. Azaleas, also, sold well, none in good bloom being left over. These had their pots dressed with crepe paper and tied with ribbon of suitable shade. Cut flowers and greens sold as well as usual. It was noted though that customers seemed later than usual in placing their orders. The day before Christmas trade was lighter than for the same day last year, but on Christmas morning the trade came with a rush. In cut flowers Mr. Samuelson found the violet hampers described in the notes regarding Mr. Wienhoeber's business splendid sellers. He sold about seventy-five of these for Christmas. A few arranged and placed in the window attracted the attention of passersby and made many sales to transients.

W. J. Smyth found Christmas trade considerably better than last year, and believes that if the weather had been more moderate the total sales would have been still larger. He noted a decided increase in the call for all plants. Blooming plants, dressed with crepe paper and ribbon, sold especially well. Many of his customers selected plants in advance of Christmas and had them held until time for delivery. Of course, there were the usual large sales of cut flowers. Mr. Smyth don't like the "wall paper" covered boxes, but he has to have them. Many people like these rather glaringly decorated boxes and their taste must be pleased even if not in harmony with that of the florist. He also noted a good call for the violet hampers and could have sold many more had he had time to arrange them and place them where they could be seen But he has had all he could do as it was and is much gratified with the Christmas trade of 1897.

The Art Floral Co. report a very satisfactory Christmas trade in all lines. They grow many blooming plants for their store trade, and all sold well. Their crops of cut flowers were large and good and all found ready sale at satisfactory prices.

The Artistic Floral Co. opened a store last week at 3903 Cottage Grove avenue and report a good Christmas business.

George Wittbold did a big Christmas trade at both the North Clark street store and the greenhouses. He noted a largely increased demand for plants of all kinds and the usual call for cut flowers. In one of the windows of the store have recently appeared some novel window attractions. The latest is life-size and very life-like figures of a young man and a young lady, the latter holding a guitar. There was a naturalness about the poses not seen in ordinary figures, and it was amazing to find on close inspection that the figures were made of such material as corn husks, leaves, dried grasses, seeds, etc. The faces were all of corn husks, and were remarkably life-like. They are made by someone in Wisconsin. Mr. Wittbold has quite a number of the figures stored in a rear room. One of an old darkey playing a banjo is exceedingly natural and will surely attract crowds of spectators when it is placed in the window.

Mr. Wittbold has a new pteris, a chance seedling discovered two years ago, that promises to be very useful. He has named it Pteris tremula crispum. The fronds are short, rounded and full, and the plant is quite dwarf in habit. He reports heavy sales of palms at wholesale prior to the holidays and will have to sort up his stock before again pushing sales, though able to care for the usual run of orders.

P. J. Hauswirth is much pleased with his Christmas trade. He had a large quantity of pot plants of the white Scotch heather (Erica persoluta alba) shipped him from the east, and they sold like the proverbial "hot cakes" at good prices. He also noted a brisk demand for potted azaleas and could have sold many more had they been procurable. The supply of flowers was better than anticipated and all sold at good prices.

H. F. Halle reports his Christmas trade as fully one-third larger than last year, and he noted a marked increase in the call for plants. He is much pleased over the outlook. Sales of greens were not up to expectations, but this was probably due to the severity of the weather which prevented the usual display in front of the store.

Walter Kreitling is well pleased with his Christmas trade and the only fault he has to find is that a good deal of the cut flower stock had been pickled and was prone to go to pieces very soon.

John C. Schubert & Co.'s Christmas trade was very large. They noted a decided increase in the call for extra Beauties, showing that the Beauty is still growing in popular favor in spite of the high prices. They also found the violet hamper very popular, and sold an unusually large quantity of prettily arranged cape flower wreaths which caught the popular fancy where a change from the usual holly wreath was desired.

Among the Wholesalers.

The reports from the wholesalers about the Christmas trade are fully as gratifying as those from the retailers. All report trade as fully equal to that of last year and in many cases far in excess. Though stock was none too plenty and prices high the supply that turned up in time for Christmas was unexpectedly large, and of course everything of good quality sold readily. And the quality, too, was much better than had been anticipated in view of the dark weather that had preceded Christmas. The few bright days toward the middle of the week helped more than expected. The demand has held up remarkably well since Christmas, and, best of all, the bright weather has continued and there is stock with which to fill the host of orders received. All are feeling greatly encouraged over the outlook and feel that the present season will prove the best in many years. Prices are holding up well and New Year's prices will be but a trifle lower than the Christmas list.

Kennicott Bros. Co. report an increase of fully one-third over last year. Last Thursday they did the biggest day's business in the history of the firm, exceeding by $400 the previous largest day's business, which was an Easter, and they had less complaint from customers than formerly at holiday seasons. Stock seemed to average better and give better satisfaction; but it was not all lovely. A shipment of 8,500 valley from the east arrived frosted so that about 2,500 were lost. This was particularly aggravating as all could have been sold at a good price. This loss was due entirely to negligence on the part of the express company, as the packing of the flowers was beyond criticism. A still more aggravating case, because inexcusable, was the arrival of a lot of 2,000 violets frozen solid. These came from some nearby growers and the packing consisted of merely a single thickness of newspaper inside of the case. These flowers were already sold at $2.25 per 100 and the flowers were as



A Corner in the Establishment of Kennicott Bros. Co., Chicago.

good as the money had they arrived in good shape.

Bassett & Washburn's business was nearly double that of last year. Their increase of glass surface during the year enlarged their supply and the cut for Christmas was larger than expected the early part of the week. They cut a large quantity of bulbous stock in addition to their other flowers, and sold it all. This included 4,000 Harrisii and 8,000 valley. Romans did not go so well. And their trade since Christmas has held up remarkably well. Last Tuesday they received over 40 telegraphic orders in addition to their usual run of business.

E. H. Hunt reports a considerable increase over last year and is thoroughly well pleased with his Christmas trade. The supply exceeded expectations and has kept up well since Christmas, also the orders.

A. L. Randall is well satisfied with the Christmas business and has "no kick coming" in any way.

W. E. Lynch had a good trade. He was afflicted with some "pickled" stock early in the week, and humorously reports that he found no increase in the demand for this sort of stock. It was sold at very moderate prices to local buyers. All good shipping stock went at good figures.

Winter & Glover report a fair trade and not enough stock to meet the lively demand.

Vaughan, McKellar & Winterson did a much larger business than last year and are exceedingly well satisfied. With them orders seemed to have been placed earlier than usual. They did a big trade in greens and cleaned up well in that line. Trade has been remarkably brisk since Christmas and stock has been good.

E. C. Amling's Christmas trade was double that of last year. He had more consignors, a larger supply and good sales at excellent prices. He is very well pleased.

Reinberg Bros. report sales equal to last year at good figures. The recent fire cut them short on Meteors, but their supply was large anyway and all sold. They are now cutting some particularly fine Maids and La France.

Rogers Park Floral Co. had a good supply of excellent quality and all sold at good prices. They are well satisfied and anticipate continued good business.

A. G. Prince & Co. report a larger supply than expected and consequently large sales.

Mr. E. E. Peiser, of Kennicott Bros. Co., favors the formation of an organization of shippers of cut flowers, to enforce collection of damages from express companies when flowers are lost through the negligence of employes of the companies. He cites the case of a shipment of valley his firm received from Mr. E. Asmus, New York. This shipment was due on a train arriving here at 9:55 p. m. They telephoned the express company to look out for the cases and deliver at once. The train arrived on time, but despite the fact that they telephoned frequently during the evening and waited till 1:00 a. m. to receive the shipment, it was not delivered to them till 9:30 a. m. the next day, and was then damaged by frost. They find that a commission man cannot make claim for damages in such a case, as, according to law, flowers sent on commission are the property of the shipper and not of the commission man. He believes that an association of shippers with a paid attorney to follow up and push the claims of any member of the association would result in greater care on the part of the express companies.

Various Items.

Another bunch of their new pink carnation Irene was sent to Chicago last week by Crabb & Hunter, of Grand Rapids, Mich. It certainly is an excellent flower and will undoubtedly prove useful. There were other promising seedlings but Irene will probably prove most popular.

Richard Prescott, foreman for C. W. Northrop, La Grange, while arranging a

decoration at Riverside, was unfortunate enough to fall from a ladder and break his leg. He is now in the county hospital. His many friends will wish him a speedy recovery.

Among recent visitors was Mr. F. J. Foster, of the Krebs Floral Co., St. Louis.

Don't forget the next meeting of the Florists' Club January 13. This will be ladies' night, and from hints we have received of the program being prepared we can assure all of a very enjoyable evening.

Mr. H. P. Gerhardt, the "Limits Florist," reports an excellent trade at his stand, 1317 North Clark St. Last August he built a greenhouse 22 x 100 on his place in Waterloo Court, not far from his stand at the "Limits."

NEW YORK.

Around Town.

I do not know if it is a good omen or not, anyway it is a fact that every Christmas you see more and more flowering plants. It used to be that Easter was the time when plants in flower ruled, now they are playing an important part at this season of the year. A large retailer told me that he buys more every year, "as an act of self defense simply," said he. "My customers get more fractious every year. Of course I have to buy flowers to fill orders, but the great advance in prices precludes me laying in a large stock, and then having to fight and take chances with my customers."

"Another growing evil is the lavish use of ribbon in all made up work and even on plants," said one man. "Our bill for this luxury alone is near $1,000 since November the 1st."

Snap Shots.

At Thorley's I noted several pretty things in the way of novelties; shallow, square hampers of plants tied with brilliant plaited plaid ribbon, very showy; gilt hampers of pots of violets in full flower, with ribbon to match, and splendid heaths dressed with ribbon, also azaleas and other plants.

At Stumpp's there was a tremendous variety of basketed plants, some with handles upon which were tied bunches of orchids, violets, etc., with a wealth of ribbon, always harmonizing with the whole. One gilt basket on pedestal contained a large Otaheite orange, "dressed" with orange shaded ribbon. A large bunch of Cypripedium insigne and leucothoe sprays, were on the basket and on the tripod of the stand.

At Small's I saw large wreaths of "box" (Buxus ovalifolium) tied with masses of red "bird berries" and streamers of red ribbon, broad and narrow.

At David's there were many handsomely filled baskets of plants, Otaheite oranges, ericas and cyclamen trimmed with ribbon, all handsomely gotten up and very exquisite.

At McConnell's handsomely filled baskets were the specialty also, deep crimson ribbon on the handles; one specially fine, white celluloid basket, red handles, containing Erica fragrans, Dracæna terminais and Ardisia crenulata, all prettily arranged. Heathers, tied with different colored tartan ribbons, were very effective.

At Hodgson's I noted a novel altar decoration which consisted of a large Otaheite orange about four feet high, interspersed with Lilium Harrisii blooms, finished with smilax and tied with maroon ribbon.

At Siebrecht's "filled" baskets were again in evidence. Some were filled with heathers and ardisias, others Farleyense, cyclamens, oranges, azaleas, etc., tastefully trimmed and gotten up to sell. A basket of Farleyense, bunch of violets tied on handle, looked very rich.

At "The Rosary" I saw the only gardenias in town. There were some pretty baskets here also, and some flat, round and oval baskets of holly and bird-berry, Adiantum Farleyense and poinsettias for a dinner Christmas night—all very pretty.

At Fleishmann's there were shallow diamond shaped baskets trimmed with crepe paper and ribbon, filled with A. Farleyense and A. cuneatum and bunches of orchids or violets tied on the pyramidal shaped handles, with bows of mauve or violet ribbon.

At Bridgeman's a basket of azaleas and holly festooned and tied with light green "nun's veiling," was quite unique and attractive.

At Scallen's, baskets were prominent. Those with heather and holly were very pretty. I saw some ribbon with the ends hand painted with flowers; something new I believe.

Bulls and Bears.

Christmas has come and gone since I wrote you last week. Each succeeding year holds out the same expectations, has the same disappointment for grower, wholesaler and retailer. Each one is responsible to the other, each one blames the other. It is hard to tell how to make the balance of justice fall evenly on their respective shoulders. The question is, "is the game worth the candle?" is the paucity and slump in business before holidays and after made up at those times? On Thursday there was literally a famine in some stocks, held back by the grower for better prices next day, and in some cases "salted" so long, that as one wholesaler said of some stock I saw, he could not sell it to the "Greeks" at any price. Some consignments were actually shipped back. Is not this killing the goose with the golden eggs?

The week ending December 26, commonly called Christmas week, might be described briefly as follows:

Monday—Expectation.
Tuesday—Promulgation.
Wednesday—Emulation.
Thursday—Anticipation.
Friday—Realization.
Saturday—Computation.
Sunday—Adulation.

What the Wholesalers Say.

W. S. Allen: "So far as I can learn, business has surpassed anything approaching former years, even the palmiest days such success was not known. Very little pickling and all stuff sold well with few exceptions."

Walter F. Sheridan: "Business was good. All grades of flowers sold rapidly at good figures; all inferior goods took chances, but not at as low figures as a year ago. All stock arrived in good condition and there was less salted stock."

Thomas Young, Jr.: "Trade was much better than last year for fine flowers; the lower grades sold cheap. Taken as a whole it was a good Christmas. American Beauties, Maids and Meteors were the leaders; also fancy and red carnations."

John I. Raynor: "Trade very good. All first class flowers sold well, specially Beauties, Maids and Meteors. Brides went slow. There was a lot of stuff salted that might have realized good prices the days previous to Christmas."

John Young: "Business was better than for many years, and volume of trade much larger. Not so much salted stock as formerly and there were not enough Beauties, Maids, and Meteors. Fancy carnations sold extremely well; smilax was a drug."

J. B. Ezechel: "I could have handled twice the amount of flowers. Good stuff brought good prices, and poor stock about the same as ordinary days."

Traendly & Schenck: "Never cleaned out so well before and prices ruled a great deal better than formerly."

W. H. Gunther: "The general run of trade was good, a big improvement over former years. All good stock sold well. Romans hung a little. There was not so much poor and salted stock as heretofore."

E. C. Horan: "Business was a big rush. It was a "rose Christmas" from the word go. Hyacinths and narcissus went slowly. Carnations sold well. Cleaned out everything except violets."

H. A. Hoffman: "Trade was very passable. Beauties sold well, and carnations and other stock in proportion. Prices ruled higher than last year and it seemed as if we were getting back to the old prices again."

Millang & Co.: "Trade was tip top—everything sold out clean except smilax. Roses and carnations hardly enough to go round."

J. W. King: "Trade was A1. Cleaned out in good shape. Carnations realized phenomenal prices. I had a good deal of stuff frozen, however, but there was less salted stock than formerly."

MacDonald & McManus: "As this was our first Christmas we cannot compare. We sold out everything, however, except violets. One large consignment of orchids was frozen. We are well satisfied with our initial efforts."

Julius Lang: "Business in general good and good stuff sold well. Cleaned up everything except smilax. Violets went slow and Harrisii well."

Purdy & Blauvelt: "We had a ready sale for all the stuff we had. Roses were scarce, Beauties specially so. We had a lot of sweet peas, however, which we sold from $3 to $4 per dozen bunches. The variety was Blanche Ferry."

Ford Bros.: "Trade was very fair. All roses sold well and everything was cleaned out. Violets were a drug, however, by the end of the day. High grade stock of all kinds sold well and brought

top prices. Smilax we could not give away."

M. A. HART: "Business was O. K. All roses sold well; could get most any price for good Beauties. Bridesmaids also sold well, and there was less salted stock than usual."

FITZGERALD & HAMMOND: "We found trade very good. Cleaned out everything with the exception of violets. All roses sold well, in fact everything except violets and smilax."

N. Y. CUT FLOWER CO.: "Business was good all round and very satisfactory. Good stuff was scarce and realized good prices. Beauties, Maids and Meteors had the call and carnations were also a good thing. In fact all fancy stock sold readily and realized prices that reminded one of years ago. Cypripediums and smilax were the only things that went slow."

JAMES HART: "Trade fairly good for fancy stock and poor stuff sold poorly. Cleaned out well, however, at good average prices. The scarcity of some goods bulled the prices, but if there had been the quantities of former years, things would have been different."

FRANK MILLANG: "Am pleased to say trade was all that could be desired; only wish I had had more stuff. Carnations went better than I ever anticipated, and prices realized better than the usual average. Cleaned up everything in good shape."

But all this has been hashed, and rehashed in former years. The fault lies, it seems to me, pre-eminently with the grower. He has the chrysanthemum to fight every year. Beware, gentlemen, of the "Flowering Plant," it is going to be one of your greatest rivals. It is kicking at your doors and it is coming to stay. From questions asked the wholesalers, however, there seems to have been less salting this year than ever before. The general impression prevailing, however, is that Christmas trade was very satisfactory. The day before Christmas there was a perfect famine in flowers of nearly all kinds, and good prices might have been realized on some goods that had to be shipped that day. Friday morning business started only fair, towards night, however, trade was quite beyond all expectations and by midnight most everybody was sold right out clean.

It was essentially a "rose Christmas," the cold snap coming as it did helped things along very materially. Some growers made the mistake of shipping a lot of stuff Saturday, and as late as Saturday afternoon, violets suffering especially on this account. There were several cases of freezing. One grower lost nearly 5,000 carnations this way.

Roses and carnations had the call and fancy stock was at a premium. There was no special rush of high-priced Beauties, but they remained stiff at $1.50 a piece. Bridesmaids, extra fancy, sold for $30, while Meteors touched the top notch at $40, Brides, Testouts and Carnots $30. Carnations, extra fancy, brought from $6 to $10; Valley, fancy, $8; violets, extra selected, $3. Smilax was a drug, and nearly all white flowers went slowly, even Brides are not a "good thing" at Christmas. Cattleyas were very scarce at 50 cents to 60 cents, while cypripediums were plentiful and sold at 10 cents. Lilium Harrisii sold fairly well at $10 to $12.50. All good stuff sold well and poor stuff did not fetch more than ordinary prices. For prices on regular graded stock and goods not mentioned here, see New York market report.

The cold weather precluded the fakirs and Greeks from handling the lower grades of stock, and so poor and salted stock realized poor prices and in some instances was not sold at all.

Seed and Bulb Trade.

At midday the day before Christmas there was not a crate of holly in the market. It was an unknown quantity from the day the first car was unloaded, and, taken as a whole, was much inferior to former years. A storeman was heard to say that it was only fit to tie on "fol de rols and sponge cake." Shippers, please take note, and another year only ship the good kind. The demand for mistletoe is but moderate, and though the imported stock arrived in useless condition there was quite enough to go round.

Mr. L. C. Bobbink, of Rutherford, N. J., started for Holland yesterday (the 29th) per steamship St. Paul, and will return about the first of February.

Various Items.

Visitors: Samuel Goldring, Albany, N. Y., was a visitor during Christmas week, and as one of the wholesalers said: "Sam is just like Santa Claus; you are bound to see him every Xmas."

Thomas M. Ulam, of Elliott & Ulam, Pittsburg, Pa., was also a visitor, and carried a full supply of "stogies." Both bought heavily for their home trade.

W. A. Manda's storehouse which he recently erected for the storage of hardy shrubs, etc., was partially destroyed by fire last week.

There are rumors that the firm of Purdy & Blauvelt will dissolve, Mr. Blauvelt withdrawing from the florist trade, and Mr. James Purdy forming a partnership with Chas. Millang, of Millang & Co.

Mr. Patrick O'Mara has been seriously ill with rheumatism and grippe but hopes to be around in a few days. Please accept our sympathies.

All retailers report a very large volume of business, almost unprecedented. At six o'clock Friday, one retailer said he was three hours behind with his orders. This does not mean that the florist has made money. The high price of flowers precluded this and a great many persuaded their customers to take plants.

H. A. B.

CLEVELAND.

Unfavorable Weather.

There has not been breathing time to find out the particulars regarding the trade at Christmas, though I hope to before sending in this report. One thing of course we all know about and have had to contend against in common. The writer does not recall a more disadvantageous spell of weather in many years. Peaches are not common in December and ordinarily florists could not afford to partake at this season, but certainly in weather we have had a "peach" forced on us whether we would or no. Such "peaches" ought to be canned and served up in moderation in July and August. It is very seldom that we have such absolutely bad weather in Cleveland. It was not only cold, but the wind blew a hurricane on Thursday and in addition it snowed hard. The streets had previously been sleeted with ice by rain freezing as it fell so that getting about on foot or with rigs of any kind was not only difficult, but rather dangerous as well. Hauling wagons through the snow made it very slow work on the road. It was not enough to wrap all the plants, but wagons had to be well heated, otherwise many things of a more tender nature must surely have been frozen. Friday night the thermometer got down almost to zero, but Saturday morning was clear and very sunny, so that things were not so bad.

Good Demand for Pot Plants.

It seems that nobody could have failed to notice the increase in the demand for pot plants of every description. Nearly every firm in the city operating a store for the disposal of their product had a greater or less supply of desirable stock in this line and in every instance it sold without the slightest difficulty. Of course at this season flowering plants stood higher in popular favor than palms or other foliage plants, although the latter sold very well on the whole. In blooming stock azaleas were more generally offered than anything else and were taken readily at good prices. More of these could easily have been sold, were they to have been had. Of course the old white, Deutsche Perle was in greater supply than other sorts, but there was a sprinkling of light and rose pink with a very few red. Colored sorts sold most readily though none were left of any sort. Cyclamens, primulas, begonias and poinsettias comprised the bulk of other offerings in potted stock aside from palms and allied plants, with some oranges and ardisias on the side.

Holly and other green stuff with the inevitable immortelle truck sold fully as well with those who handled it, although few florists do anything with it except on orders for other goods more directly in their line. No reports have come in yet owing to the short time elapsed at this writing as to how stock stood the test of delivery, but there will probably be quite a crop of complaints in due season.

Trade in Cut Flowers.

In comparing cut flower sales with those of other years there would probably be a slight increase shown although the bulk of advance in this line of sales has probably come from an increased demand for plants. In cut flowers nearly everybody showed a predilection for the carnation and everything of the Dianthus tribe was sold out, most florists running short, some of them very early in the day, while only one or two had enough to last out to the bitter end. Roses sold variously. With some they went very well, with others kicks on the price

were long and loud, although in the end salable stock was pretty well used up. Unsalable stock was used up, too, but in quite a different sense. American Beauties, when they were good, sold well and were rather short owing to some lots being frozen in transit. Pickled stock off color or blue went very slowly or not at all. Bridesmaid and Meteor had the call in tea roses. Valley, Roman hyacinths and narcissus did about as well as ever, the two latter being mostly of value to eke out other flowers that were in shorter supply. Business, taken as a whole, was certainly up to other years, and probably would show an average total increase according to store proprietors' say.

A Christmas Decoration.

The most important event of the week from a social point of view was of course the Union League Club reception and ball given Monday evening after Christmas. The work had been placed in the hands of Smith & Fetters and the work done reflected credit on the firm. Holly and various Christmas greens formed a considerable portion of the overhead and wall decorations. In flowers Bridesmaid, Bride, Meteor and La France roses were used, with quantities of Lilium Harrisii. The room given over to dancing, white and gold in color, had the mantel beautifully decorated in Meteor roses, with a center of Lilium Harrisii, with palms banked at the sides. Overhead, a huge bell, from which radiated garlands of laurel reaching to the sides and corners. The corners were finished with smaller bells and holly wreaths, intermingled with colored electric lights. The room where the president received was done in La France and Bridesmaid roses, with a profusion of palms and wild smilax artistically arranged. White azaleas were also largely used advantageously in various places. Refreshments were served upstairs at dozens of tables variously decorated, some with plateaus mostly in carnations of different colors and others with tall vases of roses simply but artistically arranged. All the floral arrangements throughout were carried out beautifully and the *tout ensemble* was certainly charming.

A Resolution.

At the regular club meeting December 27, the resolutions given below were up for action. It does seem as though something ought to be done to stop the gratuitous distribution of seeds, usually for the advancement of the political ambitions and schemes of various would-be statesmen, who, so far as the real interests of their constituents are concerned, care very little and do still less.

For many years the national government has distributed seeds free of cost over the entire country. This practice is continued, much to the injury of seedsmen, florists, gardeners, and horticulturists generally. To explain in brief: The government, by its purchase and gratuitous distribution of seeds, becomes a direct and formidable competitor of the seedsman.

The amateur, inspired by his gift of seeds to enter the field of horticulture, becomes a rival of the legitimate florist. Horticulture in general suffers in common with the seedsmen and florists, who at all times have at heart its promotion and advancement.

Why these particular craftsmen should be singled out as the victims of governmental competition remains an unanswered question. It would be eminently more fitting and a great deal more practicable to distribute free groceries and clothing, and thereby achieve the same end, which it appears is the paternalism of a few politicians whose motive is the advancement of their selfish interests at the government's expense.

Whereas, In view of these facts, we consider that a great injustice is wrought the seedsmen and florists of the country; and

Whereas, The expenses of the government would be decreased by the discontinuance of the practice of free seed distribution to the extent of one hundred thousand dollars; therefore be it

Resolved, That we, the Cleveland Florists' Club, protest against a further appropriation of moneys by congress for this purpose; and be it also

Resolved, That a copy of these resolutions be submitted by the secretary of the club to each senator and representative from Ohio.

Unanimously adopted. NEMO.

ST. LOUIS.

Christmas Trade Satisfactory.

Christmas trade from all accounts can be classed as very satisfactory with both the retailer and wholesaler. The weather was glorious over head but the slush from the recent sleet storm made walking very unpleasant. The growers certainly have no reason to complain, that is, so far as prices went, and only those that indulged in pickling will learn a lesson when they get their returns from the commission man.

Supply—Prices.

Prices for good first-class stock were high. It was thought a few days before Christmas that stock would be very scarce, but it all came in at one time and at 4 o'clock Friday one wholesaler was telephoning all around offering roses at from $3 to $6.

In roses the stock was much more plentiful than was expected. This was owing to the fact that much of the stuff was held back until the last day. The pickled stock had little effect on really good stock and the latter was all disposed of in short order and at top prices. The best American Beauties, of which there was only a small supply, sold at $1.00 and $1.50 each. Bridesmaid, Bride, Meteor, La France and Kaiserin were greatest in demand and the supply was good on all except Meteors; prices ranged from $10 to $15 per hundred; Perles and Woottons brought $6 and $8; Carnots were very scarce; Brides appeared to be the most plentiful of the roses.

Carnations were in great demand and of excellent quality, though some very sleepy stock could be seen, the growers evidently leaving them on the plants too long expecting fancy prices for Christmas. The best of stock brought $8 and others $5 and $6. Scott, Daybreak, Jubilee, Eldorado, Emma Wocher, Flora Hill and Alaska were seen at their best. The carnations sent to this market by the South Park Floral Co., of New Castle, Ind., were equal to those that took all the firsts at our late show. Our local growers also had some very fine blooms and those grown by Messrs. Aue, Fillmore, Ude, Ammann and Emmans all brought good prices.

Bulbous stock could be had in quantity and was of good quality with the exception of some valley. For Romans the price was $3 and $4, paper white $4 and for good valley $4 and $5. Harrisii were in short supply and commanded from $25 to $35 per hundred; callas, $10, but not plentiful.

Violets were also more plentiful than was expected. The fine California were sold at $4 for the best and some went as low as $2; good double were $2 and single 75 cents. Bouvardia was to be had only in limited quantities and brought from $2.50 to $3.00 per hundred. Smilax and adiantum sold better this year. Price on smilax was $15 to $18 and adiantum sold for $1.

All kinds of Christmas greens sold well notwithstanding that the streets down town were lined with fakirs who were selling them very cheap. But most of the stores claim they sold out early and at good prices. Good mistletoe was scarce and the little that was in the market was not good. The demand for blooming plants such as azaleas, cyclamens, and poinsettias, also palms and other house plants and fern dishes was good. The dealer this year had very little trouble in delivering his plants and cut flowers as the weather was fine and they needed but little wrapping.

A Picnic at Christmas Time.

The down town retail florists had a regular picnic that they did not look for (but the wholesaler was not invited). The Cheap John establishment was selling carnations at forty cents per dozen on Friday. When the florists heard of this they sent their friends around and bought them up and sold them over their counter at $1 per dozen. They claim it was cheaper to buy from him than to pay the wholesaler from $5 to $8 per hundred. Some people will never learn until it's too late and they only have themselves to blame.

An Important Club Meeting.

The members of the St. Louis Florists' Club are requested to be present at the next regular meeting of the club, January 13, 1898, as business of great importance will come up at this meeting and President Halstedt requests that every member attend this meeting without fail.

A "Smoker" Soon.

The Florists of St. Louis will have their annual "smoker" some time during the latter part of January. An entertainment will also be given with it. The talent will be made up from among the craft.

Notes.

Mr. J. M. Jordan is reported as being very sick and unable to attend to business. Let us hope that Mr. Jordan will be able to be out soon again.

Mr. W. L. Hucke, of Belleville, Ill., will, on January, 1, 1898, open his retail floral establishment in St. Louis, at the corner of Grand avenue and Shenandoah street. Mr. Hucke reports that he will also later on move his greenhouses to this city.

Bowling Notes.

The Bowling Club rolled its regular three games on Monday with a full attendance and all were feeling good as all reported a good Christmas. Emil Schray was high man with 544, C. A. Kuehn, second, with 519 and C. Beyer, third, with 503. The high single score fell to E. Schray, also, with 214; Frank Fillmore, second, with 199, and Kuehn, third, with 189. Mr. Emil Schray, the only single member of our club, was given six months more time to find a bride. Don't forget next Monday as we are going to have a "hot old time."

J. J. B.

PHILADELPHIA.

Perfect Christmas Weather.

"If you live to be a hundred years old you will never see a more perfect Christmas than to-day," a railroad president said this morning. He merely voiced the general sentiment. The so-called people's indoor holiday was so attractive outdoors that the day quite lost its character. Everybody was out for a part of the day at least, which brought the happy Christmas feeling even into the air of the streets where kindliness and good fellowship prevailed.

General Impressions.

It is not possible, today, for me to give a thoroughly reliable account of the cut flower trade. I will give general impressions with a more exact account next week. The weather was exceedingly cold and stormy on the 23rd and 24th, which shortened the supply considerably and probably slightly reduced the demand on those days. The tendency of these weather conditions and the more hopeful feeling in general business this winter was toward higher prices. The market is however getting much more critical than it was a few years ago and high prices are not paid for anything that is not first class. Despite the dark cold weather some magnificent stock is seen, perfect in color and form. This class, especially in tea roses is not nearly so large as the next, a medium grade which is comprised of fair sized, fair stemmed blooms that were formerly counted in with the first. Then there is the third or cull class, probably the smallest of all, which is fortunate for it it is most unsatisfactory to everybody.

The store men were rather apprehensive on the 23rd and bought freely of both first and second stock, but there was none too much around until late in the day. The morning of the 24th found a change in the conditions. The stock which the growers had been holding back was on the markets and the store men as a rule were anxious for the first class, knowing they could get plenty of the second when they ran short. The fine weather of this morning was a great help to business and nearly everything fresh was eagerly bought. The weather which so helped the cut flower market was against plant trade. The store men had bought rather more freely than usual of both foliage and flowering plants and their labor was vastly increased by the cold spell. Careful wrapping is no joke at such a time.

The trade in all kinds of greens was very large. The most popular novelty noticed was the parlor box from the south, which included a general assortment; holly branches, wild smilax, magnolia foliage, palm leaves, etc., and sold readily at $20 a dozen boxes of fifteen pounds each.

Christmas Cut Flower Prices.

Beauties sold at $6, $9 and $12 with a few extras at $15 a dozen; Meteors, Brides and Maids $15 to $20 per 100; Perles, $10 to $15; carnations, $3 to $5, a few extra fine bringing $6; cypripediums $15; valley $4; Romans $4, double violets $2.

A happy and prosperous New Year to you all.

J. W. Y.

BOSTON.

Trade Unusually Active.

The Christmas trade here has been the best for the last three or four years, both wholesale and retail. In the wholesale markets everything in the shape of a flower was gobbled up almost before the employes could open the boxes from the growers, as they were brought in by the different express companies. It may be noted that there was a great scarcity of colored flowers, and the latter was in more demand and brought almost whatever prices were asked, but when the colored ones had gone then the white went, and it seemed to be a race of who should be first. Everything in the wholesale markets was cleared out by 6 p. m. on Friday evening.

Holly and other evergreens were also in good demand, and some houses who had doubled up on their orders were surprised to hear from their shipping clerks, "No more Holly." Laurel nearly all gone by last Thursday night. This great and increased demand over the last three or four years, let us hope, will be a leader to a continued successful increase of business, then we may, perhaps, hear a different cry from many of our flower-growing politicians who are always crying hard times.

Advice to Growers.

It may be well to note that it would be advisable to growers to divide more equally their stock of carnations for another year, and grow more variety of color, such as Scotts, Daybreak, Bon Ton, etc., as these colors were always in demand and realized top prices. The same remark applies to roses, all the colors were sold out long before the whites. The supply of Beauties, Bridesmaids, Meteors, Morgans, etc., was at no time sufficiently plentiful.

The Retail Trade.

The retail trade was also a great jump from moderate bus ness to an immensely overwhelming supply of orders, some firms, in fact never getting any rest being at their post night and day since Wednesday last, until the evening of Christmas Day, and then leaving a good order sheet to commence the ensuing week with. The following is about a correct list of prices for Christmas week:

American Beauties, per doz.,	from	$2.00 to $12.00
Bridesmaids.....per 100..		8.00 to 16.00
Brides..... " ..		8.00 to 16.00
Meteors..... " ..		6.00 to 25.00
Perle and other varieties " ..		6.00 to 17.00
Carnations..... " ..		2.00 to 4.00
Harrisii..... " ..		12.00 to 16.00
Narcissus, paper whites, etc..... " ..		2.00 to 4.00
Roman hyacinths..... " ..		2.00 to 4.00
Stevia.....per 100 bunches..		1.00 to 8.50

Violets met a very ready sale at good prices.

F. R. Pierson Co. Open a Store.

It is currently reported here this morning that F. R. & P. M. Pierson, of Tarrytown, N. Y., have taken the store at 18 Chapman Place, Boston, (lately occupied by Mr. Geo. Sutherland for the sale of Christmas evergreens) and will open a wholesale flower store for handling all their choice roses, etc., grown at Tarrytown.

C. H. J.

ROCHESTER, N. Y.

Satisfactory Holiday Trade.

Most all of our down-town florists can report very satisfactory Christmas sales. The trend of business was in the direction of plants, perhaps more so than ever, but cut flowers sold well, and good, fair prices were realized, no real oversupply being in the market, excepting in Bride roses and in white carnations. Cartledge and all kinds of scarlet carnations were in excellent demand, so were violets; both were rather scarce by Friday evening. Mignonette of fairly good quality was plentiful; very little of this was left over. Asparagus and smilax were sold out clean and apparently will hereafter be scarce in this city for a while. Roses of best quality were not overplenty; some buyers had to be contented with an inferior article.

Plant Sales.

Plant sales were far ahead of former years. Bright colored blooming plants had the preference. Cyclamens, azaleas and begonias took the lead, but any well grown and free flowering plant would find ready sale. A few early Dendrobium nobile in 6-inch pots with half dozen or more flowering canes were disposed of quickly at fancy prices and another year more of them will be brought forward for the holidays. Palms and ferns came next in order, while araucarias and dracænas moved slower than was expected. The inclement weather caused great anxiety. For the safe delivery of both plants and flowers much extra labor had to be performed in the wrapping up with sheet cotton between tissue paper and several thicknesses of manilla paper outside of this. One of the leading firms refused to guarantee safe delivery of plants on account of the severe cold; others were

worried but said nothing, and after all but few instances are known where plants have suffered from that source, showing that our florists know exactly how to protect their goods in zero weather; but of course they had to work for it. Delivery was slower for this reason, the packages more bulky and people who expected their goods to be delivered before 10 p. m. were lucky to get them by midnight or even later, but everybody seemed to have sense enough to excuse the delay under such extraordinary circumstances when it was explained to them in a few words.

Holly was decidedly scarce in the beginning of the week; the bulk of the shipments for this city had been delayed on the road for some reason. Owing to this unfortunate state of affairs there was no time to work up all of it when it finally did arrive, consequently quite a lot of good holly is left over, most of it in the hands of the commission man. Had it arrived on time none of it would have gone to waste.

Funeral Work.

The beginning of this week some large orders for funeral work helped to do away with the surplus of white carnations and white roses left over from Christmas, and as there are several large receptions yet ahead prospects for the remainder of the week are quite encouraging to our florists. K.

TORONTO.

The Christmas Trade.

The mean temperature here for the 24th of December was 5°, the lowest being 5° below zero, so it can be easily understood that the plant business was not so good as it might have been on that day. The cut flower trade, however, was everything that could be desired, except for the shortness of some lines of stock; had it not been for that serious drawback the volume of trade done would have been simply enormous. As it was the retail trade in the city probably beat the record, but the big rose growers were forced to refuse or cut down a great number of the outside orders, the greatest being on Bridesmaid. There was a good supply of Meteor, but they were soon all cleaned off.

To-day (Monday) I hear that the plant trade was fair, but in spite of every care being taken, complaints are coming in of frozen stock. There were some azaleas offered, more than usual at this season perhaps, but they were mostly all ordered beforehand. The quality of most of the stock was high class, and the prices were also of a high class pretty well all round. I heard that the down-town stores were asking $10 a dozen for Beauties, an unprecedented price for this city. It looks as if we were going to have some sunny weather now, so that supplies may be a little more plentiful for New Year's.

Meeting of Gardeners' and Florists' Association.

At the annual meeting of the Gardeners' and Florists' Association for the election of officers for the ensuing year last Tuesday the attendance was not quite so large as usual on such occasions. Everything passed off very pleasantly, there being very little opposition in any of the offices. The following is the list for 1898: President, Alonzo Watkins; first vice president, Charles Tidy; second vice president, Harry Dale; secretary, E. H. Carter; assistant secretary, E. G Collins; treasurer, A. H. Ewing; executive committee, Messrs. T. Manton, Chambers, Muston, Jay, Mills, Vair and Graham.

The treasurer paid seventy-five per cent of the prizes taken at the late chrysanthemum show and reported a small balance still left in the treasury. The secretary reported eighty-eight members in good standing, a slight falling off from last year. The annual banquet was brought up and a committee appointed for considering the necessary arrangements. The outgoing and incoming presidents made suitable speeches and various votes of thanks were unanimously carried.

A Question.

Why does not some florist take to growing poinsettias? I am confident they would be paying stock to offer at this season, especially now times are getting good and better prices can be obtained. I have been asked several times this Christmas where they could be obtained and have been compelled to say that nobody grew them. They are not difficult to grow. With a little more attention and a little more heat than is usually given to common stock, nice plants can be grown that would, I am sure, go off like hot cakes.

A happy and prosperous new year to the Florists' Review and all its readers and many of them. E.

WASHINGTON.

Trade for the Holiday Satisfactory.

My predictions as to trade in my last letter were more than realized as cyclonic in character. Without doubt this has been the best Christmas for trade in years, exceptionably good prices prevailing. The people seemed plant crazy and plants in bloom went first and fast, next ferns in pans were the favorite though palms, rubbers and araucarias were in demand.

The marketmen were heavy losers of plants owing to a sudden fall in temperature. A moderate blizzard slipped in Christmas eve unannounced and raised the mischief with the plants sent there for the Christmas trade.

Prices.

If the northern men realized the prices quoted on their price lists sent here I should think they might comfortably retire, their wholesale prices exceeding by far the retail prices here. The average retail prices were, Beauties $12 to $18 and all other roses from $3 to $9 per doz. Carnations $4 to $5 per hundred. Violets $2 to $2.50.

For ten days preceding Christmas the weather was heavy, dark and moist and the outlook for stuff was gloomy, so that when Christmas came there was not an abundance by any means. To send north with such quotations as they sent, was out of the question. The great demand for plants relieved the shortage on cut flowers.

Again the Swindler.

One of our local florists was the victim of a clever swindle a week ago by a man who introduced himself as a salesman for a firm in Memphis, Tenn. He had business cards of the firm with his name printed in the lower left hand corner as representing that firm. He chose Saturday afternoon to order a funeral piece of gates ajar, the price agreed upon being $12.50, which he ordered to be sent to a certain address, the name the same as his. He wanted the piece sent Sunday afternoon and presented a check for $27.50 on the State National Bank of Memphis, Tenn., payable to himself, C. D. Hart, which he claimed was his week's wages and being Saturday afternoon could not cash it. The local firm investigated the address given which was straight, also the name of person living there, and accepted the check paying the balance to him. The card accompanying the floral piece read: "From Uncle Charlie." The check came back N. G., and Mr. Hart, to whose house the design was sent, came down for an explanation. This fellow is evidently a clever swindler and perhaps is in conjunction with the one mentioned in Buffalo letter. Look out for him. W. H. K.

THE FLORISTS' REVIEW

G. L. GRANT, Editor and Manager.

PUBLISHED EVERY THURSDAY BY
THE FLORISTS' PUBLISHING CO.
530-535 Caxton Bldg., Chicago.
334 Dearborn St.

Eastern Manager:
Harry A. Bunyard, 56 Pierce Building, New York.
105 Hudson St.

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Copyright 1897.

We are sorry to have to say that Mr. William Scott, of Buffalo, N. Y., has been confined to his bed since Saturday by a severe cold contracted during the rush of Christmas trade, and that he was therefore unable to supply Buffalo notes or Miscellaneous Seasonable Hints for this week's issue. A host of friends will join us in wishing him a speedy recovery of his usual good health.

Send us items of news about new greenhouses, new florists, business changes or anything you think may be of interest to others in the trade. We want all the news of all the trade.

WANT ADVERTISEMENTS.

SITUATION WANTED—By a reliable, industrious young man in park or private place. Single, 23 years of age; seven years' experience; good references. Address G, care Florists' Review.

SITUATION WANTED—As foreman or propagator. Good wages or share of profit. Address, PLANTSMAN, care Florists' Review.

SITUATION WANTED—By an Englishman of twenty years' experience as a successful grower of Roses, Carnations and Violets, in the New England States. Best of reference. Married. Address, E. Close, No. 9 Lincoln St., Newton, Mass.

SITUATION WANTED—As working foreman by a thorough, competent, practical man; grower of roses, carnations, mums, violets and general cut flowers; 20 years' experience; aged 39; married; good references. Ad. J. H. D., 17 Grant St., Cleveland, O.

SITUATION WANTED—By practical gardener and florist (American, single) as teacher of horticulture and elementary botany in a public institution. Address Teacher, care The Florists' Review, Chicago.

SITUATION WANTED—A successful rose grower desires situation as principal grower on large place or as foreman on medium sized one; references given. Address Nixon H. Gano, care Florists' Rev

SITUATION WANTED—German, first class grower of roses, carnations, mums and violets, wishes to change his present situation. Address German, care Florists' Review.

SITUATION WANTED—By good all around florist; have grown mushrooms for market for last 6 years; unexceptionable references. Address H. R. Fisher, 605 Clinton St., Milwaukee, Wis.

WANTED—Partner, in Chicago, with $1,000 cash, to take half interest in a well established paying florist and greenhouse business; experienced man preferred. Address L. F., care Florists' Review.

SITUATION WANTED—As gardener or general manager, to take charge of gentleman's estate; understands his business thoroughly; 30 years' experience; good references; only those wanting a first-class man need apply. Address "Reliable," care Florists' Review.

SITUATION WANTED—Well recommended young man, German; good grower of palms, ferns and other pot plants. Ad. Competent, care Florists' Rev.

SITUATION WANTED—By single man, six years experience in a commercial greenhouse; best of reference. Age 21. Address Robert Belmont, 27 City Street, Utica, N. Y.

SITUATION WANTED—Young lady with experience desires position in florist store. M. O. B., care Florists' Review.

WANTED—Young man to take entire charge of four rose houses 75 feet long, modern; board on place; state wages. W. L. Hucke, Belleville, Ill.

WANTED—An experienced young man in Fern Department, one who is fully conversant with this branch of the business from the growing and saving of the spores to sowing and growing plants into marketable shape. Apply with references, stating full particulars as to experience, etc., to HENRY A. DREER, Inc., Box 1618, Philadelphia,

WANTED—A first-class orchid, palm, fern and stove plant grower. Must be sober, industrious, honest and reliable. Address, MINNESOTA, care Florists' Review.

SITUATION WANTED—A thoroughly capable and experienced man wishes a position in charge of a private place. Address W. P. Kelley, 5546 Ellis avenue, Chicago.

--WANTED--

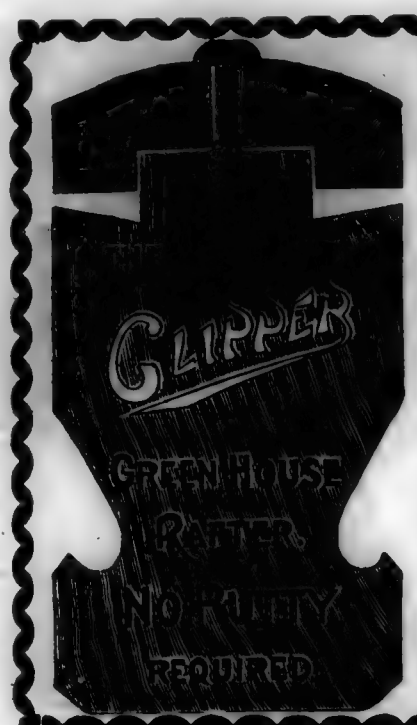
A Man to take charge of a Fine Cemetery.

Married; small family; English; work in greenhouse in winter; nice house to live in and one acre of garden; a steady place with set wages to right man. Address

THE MORRIS FLORAL CO., Morris, Ill.

--WANTED--

1000 rooted cuttings of Mrs. Fisher Carnation. October or November struck. Address, stating price, ALBERT BATLEY, Box 313, MAYNARD, MASS.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars or Estimates.

Lockland, Ohio.

New White Chrysanthemum Frank Hardy

Facts more eloquent than words. C. S. A. awards highest of the year. New York 95 points, Boston 94 points, Chicago 93 points, Philadelphia 89 points. First prize, white, in strong competition at Boston and Philadelphia shows, and certificated wherever shown. The ideal commercial and exhibition bloom. **Price,** 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand. Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

PALMS

SPECIAL OFFER

For Next 30 Days.

ARECA LUTESCENS—6-inch pots at 50c, 75c and $1.00; 8-inch pots at $1 50 and $2.00; 10-inch pots at $5.00, $6.00 and $7.00.

LATANIA BORBONICA—6-inch pots at 50c. All A1 stock. Price list of general stock on application.

Chas. D. Ball,

Holmesburg, Philadelphia, Pa.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 100; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

E. G. HILL & CO.

RICHMOND, IND.

Wholesale Growers of Plants

All the best novelties in

CHRYSANTHEMUMS, CARNATIONS, ROSES, GERANIUMS, BEGONIAS, ETC.

Send for list.

EVERY-BODY'S FAVOR-ITE!

GERANIUM

..MARS..

2-inch pots, $1.00 per doz. Cash with order.

HENRY EICHHOLZ,
Waynesboro, Pa.

GALAX LEAVES AND LEUCOTHOE SPRAYS---Green and Bronze.

Of all wholesale florists—or write the introducer for free samples and information.

HARLAN P. KELSEY,
1150 Tremont Building, - - BOSTON, MASS.

--VERBENAS--

The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Rooted cuttings, 60 cts. per hundred; $5.00 per thousand. Strong plants, full of cuttings, $1.50 per hundred. Strictly cash with order.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on..... ...

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE, CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE EXPRESS 466.

WRITE US FOR ILLUSTRATED CATALOGUE.
WINTER & GLOVER
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
FULL LINE OF WIRE DESIGNS AND FLORISTS' SUPPLIES.
21 Randolph St., CHICAGO.

REINBERG BROS.
500,000 FEET OF GLASS.
WHOLESALE GROWERS OF CUT FLOWERS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.
Salesroom, - 51 WABASH AVENUE, CHICAGO.

HARDY ROSES, C. H. JOOSTEN, Importer,
193 Greenwich St., NEW YORK.
Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

C. A. KUEHN WHOLESALE FLORIST
Cut Flowers and Florists' Supplies.
Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mng.
MOUND CITY CUT FLOWER CO.
Wholesale Commission Florists
1322 PINE ST. ST. LOUIS, MO.
Consignments Solicited.
Special Attention paid to Shipping Orders.

..C. W. WORS..
Wholesale Florist
2740 OLIVE STREET
ST. LOUIS, MO.....
PINE ROSES—Shipped Carefully to all Parts of the Country.

GEO. A. KUHL... PEKIN, ILLS.
Grows 12,000 Rose Plants
Grows 9,000 Carnation "
Grows 4,000 Smilax "
FOR CUT FLOWER TRADE...
WRITE HIM



Lily of the Valley

From the finest cold storage pips. They are an extra choice lot of flowers, large bells with plenty of deep green foliage.
Note the price. ....**$4.00 per hundred**

Harrisii Lilies

Well grown, very large flowers, good long stalks. They are the best in the market. **Price**....**$15.00 per hundred; $2.50 per dozen**

Asparagus Plumosus

Good strong strings. **Price**.....**50c per string**

Smilax.....

Heavy long strings. **Price**..... **$1.50 per dozen**

Bassett & Washburn,

Greenhouses and Residence:
HINSDALE, ILL.

Long Distance 'Phone No. 10.

Store.....88 Wabash Ave., CHICAGO, ILL.

Long Distance 'Phone Main 223.

INDIANAPOLIS.

A Visit Among the Craft.

Before entering Wiegand & Son's store one is struck particularly by their artistic window. The back and side opening to the store are glass and were draped with laurel, the top and other side were completely covered with same. On the floor, hiding the vases and pots that held the cut flowers and plants, was lycopodium. In the center of window was a medium size, though excellent specimen, of Araucaria excelsa, on each side of which was a fine plant of stevia. In front of these were vases of carnations and Begonia incarnata, and the foreground of lycopodium. On the side, covered with laurel, was a lyre of bright scarlet immortelles, tied with broad ribbon of same shade.

Their store and greenhouses are in excellent condition. This firm grows a very large quantity of palms. Above the store they have a room with billiard table, punching bag and several other devices for amusement. This room is for the use of the members of the firm, the employes and visitors, and Mr. Wiegand assures us they have excellent times.

At Garfield Park, where Mr. Robert McKeand presides, everything is in excellent shape, bedding plants in perfect health and great quantities. They also grow some carnations, but sell nothing from these houses. Mr. McKeand has some excellent seedling cannas of the Crozy strain. One is a very dark red with immense truss that evidently has Bouvier for one parent. Another is a very pleasing yellow with minute specks of red. There are several others, but the most striking of all is a very dwarf one that has a broad band of clear yellow on margin, and red, underlaid with yellow, in center. It is remarkably attractive, very hard to describe, and must be seen to be appreciated. The individual flowers of all these cannas are very large.

Mr. Heidenreich has the finest lot of azaleas we have seen this year, which are in nearly full bloom and will be just right for Christmas.

Mr. Hartje grows mostly carnations, but has one house of good roses. In two of the carnation houses he has beds of mushrooms that are doing very well. A bench of Jubilee at this place struck me as particularly fine.

Mr. H. W. Rieman has the best Beauties around this city. He does a retail trade and reports business very good. Mr. Rieman will grow a number of palms next year.

When we called on Mr. John Rieman he was exceedingly busy with funeral work, and the designs he was making were certainly artistic and beautiful. His store is well located and is kept in perfect order.

The florists here think there will be ten or a dozen at the meeting of the Carnation Society. N. H. G.

PONTIAC, ILL.—The mother of Mr. W. J. Miller, the florist, died recently after nearly ten months' sickness, at his home. Mr. Miller will have the sympathy of his friends in the trade.

Rogers Park Floral Co.

FINE ROSES AND CARNATIONS

Are specialties with us.

American Beauties a leader.

We grow ourselves the stock we offer.

Telephone Main 1811

WHOLESALE GROWERS OF

Cut Flowers

All telegraph and telephone orders given prompt attention.

41 Wabash Avenue, Chicago.



I am now established
in my new quarters and am in better shape than ever to handle your orders.

Growers
will serve their own interests by corresponding with me before sending elsewhere. Consignments solicited. Not interested in any greenhouses. Square dealings and prompt returns guaranteed.

Send for my Weekly Quotations issued every Saturday—free on application.

51 Wabash Ave., Chicago.
Telephone Main 4337

W. E. LYNCH,
...Wholesale Florist...

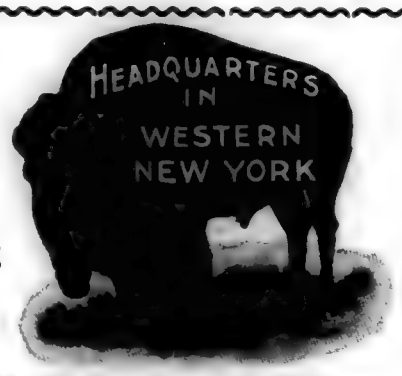
The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices.

19-21 Randolph St., CHICAGO.

A. G. Prince & Company Agents for..... HINSDALE ROSE CO.
Telephone .....Main 3208
WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES
88 and 90 Wabash Ave., - Chicago

HEADQUARTERS FOR
AMERICAN BEAUTIES
BASSETT & WASHBURN, Chicago

GIVE US A TRIAL. WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist....
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

E. H. HUNT

WHOLESALE CUT FLOWERS

SUPPLIES, SEEDS, TOOLS AND BULBS.

SPECIAL NOTICE.

Stock for New Year's trade will be (beginning Thursday the 30th) filled out at prices approximately between ruling prices of Christmas and advance prices quoted above. We will be as low as anyone, quality considered, and will have a good supply of fresh stock and can give you prompt service. Send us your orders.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking effect at noon, Jan. 3, 1898.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary selected stock	per 100,	$2.50—
Extra	"	3.00— 4.00
ROSES.		
Beauties, long	per doz.,	6.00— 8.00
Beauties, medium	" "	3.00— 5.00
Beauties, short	" "	1.50— 2.00
Brides	per 100,	6.00— 8.00
Kaiserin	"	6.00— 8.00
Maids	"	6.00— 8.00
Meteor	"	6 00— 8.00
Perles	"	4.00— 6.00
GREENS.		
Asparagus	per string,	$ .60—
Ferns, Adiantum	per 100,	.75— 1.00
Common Fancy, 1,000, $1.50,	per 100,	.25—
Smilax	per doz., 1.25; per 100,	10.00—
Ivy Leaves	per 100,	.60—
Galax	per 1000, $1.50 "	.15—
Wild Smilax, Parlor Brand	case,	3.75—
Wild Smilax, Medium	"	5.50—
Wild Smilax, Large	"	8.00—
Extra fine lot of Wild Smilax now on hand.		
MISCELLANEOUS.		
Marguerites	per 100,	.75—
Mignonette	per doz.,	.50— 1.0
Callas	per doz.,	1.50—
Harrisii	"	1.50— 2.00
Romans	per 100,	1.00— 3.00
Paper white Narcissus	"	3.00— 4.0
Stevia	"	1.25—
Swainsona	per bunch of 25,	1 00—
Valley	per 100,	4.00—
Violets	"	1.50— 2.00

All other seasonable stock at market rates. Regular orders solicited.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

	Per 100
Named Geraniums, 2¼ in	$2.00
Named Coleus, 2¼ in	2.00
Named Begonias, 2¼ in	2.00
Named Cannas, standard	5.00
Pansy Plants	.60
Clara Bedman Salvia	2.00
The Queen Pelargonium	3.00

30,000 CARNATIONS... CUTTINGS NOW READY

Standards Varieties	1.00
1897 Varieties	5.00
Except Lily Dean and Flora Hill	6.00
Triumph, Daybreak and Armazindy	4.00

THE MORRIS FLORAL CO.

MORRIS, ILL.

Bouquet Green Packed in crates, $3.50 per 100 lbs.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,

SPARTA, - - WISCONSIN.

ROOTED CUTTINGS OF THE

New Geranium Mme. Bruant

I am able to now furnish this wonderful distinct variety by the hundred and thousand. No Florist can be without this variety, being certainly the finest plant novelty of the year. A large well rooted stock ready now. Shipped to any part of the Union by mail or express, prepaid, 75c per doz.; $3.00 per 100; $25.00 per 1000. Cash with order. Order at once, no better stock can be had. Address

FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

HEADQUARTERS FOR

ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

Cut Strings, 8 to 10 Feet Long 50 cts. Each.

Shipped to any Part of the Country.

VERBENA

IMPROVED MAMMOTH.

New crop seed of this magnificent strain. Highly improved, of the very largest size of flowers and finest colors. The finest mixture in cultivation.

Per trade pkt., 25 cts.; 3 pkts., 60 cts.; 6 pkts., $1.00.

A pkt. of the new compact dwarf Alyssum added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

Make the work of ventilating easy if you want it done properly and attended to as frequently as it should be. The Evans' Challenge Ventilating Apparatus meets this requirement to the fullest degree. Quaker City Machine Co., Richmond, Ind.

NEW YORK MARKET.

Report for Week Ending Dec. 25.

Am. Beauty, fancy, extra long stem	each	$1.00@$1.50
Am. Beauty, extra	"	75 to $1.00
" " No. 1	"	25 to 50
" " Culls and ordinary	per 100	5 00 to 10.00
Brides, 1st	"	15.00 to 20.00
" 2nd	"	4.00 to 10.00
Bridesmaids, 1st	"	20.00 to 25.00
" 2nd	"	15.00 to 20.00
" 3rd	"	4.00 to 10.00
Meteors, 1st	"	20 00 to 30.00
" 2nd	"	10.00 to 20.00
" 3rd	"	8.00 to 10.00
Testouts, 1st	"	15.00 to 25.00
" 2nd	"	10.00 to 15.00
Carnots, 1st	"	15.00 to 25.00
" 2nd	"	10.00 to 15 00
Morgans, 1st	"	15.00 to 20.00
" 2nd	"	4.00 to 10.00
Cusins, 1st	"	15.00 to 20.00
" 2nd	"	4.00 to 10.00
Carnations	"	3.00 to 4.00
" fancy	"	5.00 to 8.00
Valley	"	2 00 to 4.00
Hyacinths	"	1.50 to 2.50
Harrisii	"	8 00 to 10.00
Violets	"	1.25 to 2.00
Paper white narcissus	"	2.00 to 3.00
Poinsettias	"	20 00 to 25.00
Cattleyas	"	40.00 to 50.00
Cypripediums	"	8 00 to 10.00
Smilax	"	6.00 to 10 00
Asparagus	"	50.00

All high colored flowers sold well. American Beauties, Meteors, Bridesmaids, red and fancy carnations were in special demand, Romans, paper whites, smilax, the least. For special report on fancy stock, see New York letter.

SYRACUSE, N. Y.

Christmas come in clear and cold, making it hard work wrapping up plants and boxes of cut flowers. Palms from $1 to $5 sold well. Azaleas were in great demand, also Harrisii lilies, primulas and cinerarias. Roses went well at from $2 to $4 per dozen, Beauties from $1 to $1.50 each, Romans and paper white 75 cents, lily of the valley $1 per dozen. There was also a nice lot of Begonia incarnata and multiflora, but it did not take well. All the florist stores were prettily decorated.

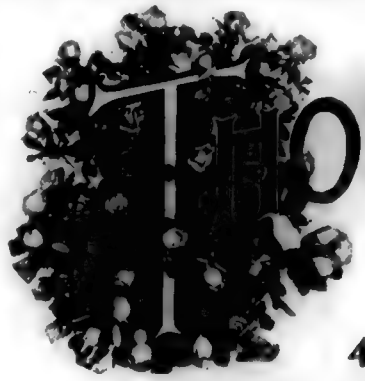
L. E. Marquisee opened his new store last Friday. It is handsomely fitted up with large French plate mirrors all along one side with the ice box at the end of the counters. This has a large French plate glass mirror. The show windows were decorated with fancy crotons, palms, Pandanus Veitchii, cypripediums, ferns, small pans of Roman hyacinths, primulas, holly, etc.

All the florists report good trade.

THE WANDERER.

JOLIET, ILL.—Christmas trade compared very favorably with former years. Owing to the few bright days just previous to Christmas day there was some stock to spare.

RICHMOND, IND.—Florists here report an excellent Christmas trade with roses and carnations short in supply. With some holly sold remarkably well while others had considerable left over. Gause & Co. disposed of a lot of good palms. Beach & Co. had a lot of nicely filled fern pans that sold well.



43 W. 28th Street, NEW YORK.

American Beauty and all other choice roses in unexcelled quality.
Carnations, Cattleyas, Mignonette, Valley.



FIRST-CLASS
Flowers
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A. L. RANDALL

.....126.....
Dearborn Street
Chicago

New Year's Price List

	PER HUNDRED
American Beauties, long	75.00—100.00
" " 24-in. long	50.00
" " 15-in. long	30.00
" " 10-in. long	20.00
Maids, Brides, Meteors	10.00— 12.00
Perles	6.00— 8.00
Carnations, long	2.50— 3.00
" " fancy	4.00
Valley, homegrown, long stems	4.00
Romans, Narcissus	3.00— 4.00
Callas, Harrisiis,	15.00— 20.00
Adiantum, Stevia	.75— 1.50
Mignonette, Heliotrope	2.00— 3.00
Violets	1.00— 2.00
Smilax, fine	10.00— 12.00
Common Ferns, per 1000	2.00

OUR SPECIALTY:

Roses AND Carnations

Store Open till 7 P. M.
Sundays till 12 Noon.

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CUT FLOWERS

Florists' supplies furnished at lowest prices.
Remember our Valley—none better—home grown.

Give us your orders and

Save time, delay and money.

We aim to please.
Write for special quotations on large orders

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS: Pres., Wm. F. Gude, Washington, D. C.; vice-pres., A. Donaghue, Omaha, Neb.; sec'y, Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; treas., H. B. Beatty, Oil City, Pa. The fourteenth annual convention will be held at Omaha, Neb., Aug. 16, 17 and 18, 1898.

AMERICAN CARNATION SOCIETY.

OFFICERS: Pres., W. N. Rudd, Mt. Greenwood, Ill.; vice-pres., Fred. Dorner, Jr., Lafayette, Ind.; sec'y, Albert M. Herr, Lancaster, Pa. The next annual convention will be held at Chicago, February 17 and 18, 1898. For information about program and the annual exhibition address the secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

OFFICERS; Pres., E. A. Wood, West Newton, Mass.; sec'y, Elmer D. Smith, Adrian, Mich. The next annual meeting will be held at Omaha, Neb., August, 1898.

DES MOINES.

Holiday Trade Not Up to Former Years.

Christmas trade in this locality was not so satisfactory as in former years, owing to a lack of home-grown stock. As a result much of the cut blooms that were disposed of were shipped goods and prices were high—tea roses, $2 to $3 per dozen; carnations, 75 cents to $1; Romans and paper whites, 60 cents to 75 cents. In fact, many regular customers would not invest in cut flowers, but purchased other articles, palms, ferns, and blooming plants being especially called for. Then our local papers assisted in frightening the people in this manner:

Don't Buy Your Best Girl Roses Unless You Have a Mint of Money and Have No Use for It.

It's very proper and all that to buy your best girl roses for Christmas, but don't do it unless you have money to burn but are shy on matches. Just at present it's easier to get rid of any surplus accumulations by buying flowers, especially roses, than in any other way. Just ordinary every-day roses that usually bring about $1 a dozen have attained the value of $2.50 per dozen, while real nice ones cannot be obtained for less than $3 to $4 and are mighty scarce at those figures. American Beauty roses, which are the favorites of most girls, come at $18 per dozen with fancy ones bringing $20 and $24. The wholesale price yesterday was $100 per hundred, and they could not be bought for that to-day. The florists report that there is an unusually heavy demand and they are utterly unable to fill their orders. Carnations, which the dealers are glad to dispose of at ordinary times at thirty-five cents a dozen, have gone up to the dollar mark and may be even higher before night. In fact most of the florists have sold out about all they have, so it doesn't make any difference, anyhow.

However, some report an increase in sales of twenty per cent.; others twenty-five per cent. advance in prices; still others twenty per cent. decrease in sales. The writer had twenty-five per cent. increase in sales with prices the same as last year. Holly and green were in poor demand as these could be purchased at notion stores, meat markets, coal offices and restaurants.

The growers are now laying plans for propagating their carnations and the question arises what kinds will be best for this special locality? J. T. D. F.

DREER'S SPECIAL OFFER
—Of—
PLANTS FOR FORCING

LILACS—We offer a fine lot of strong pot-grown plants, well ripened up and well set with buds; beautiful shaped plants of Charles X and Marie Lagraye, $6.00 per doz.; $50.00 per hundred.

METROSIDEROS FLORIBUNDA—(Bottle Brush). Fine shaped plants with lots of buds.

STANDARD SHAPED on stems 20 inches high with 12 inch crowns, $1.50 each.

BUSH SHAPED—nice round crowns 12 in. in diameter, $1.00 each.

ACACIA ARMATA—A fine lot of plants in 7-inch pots, 24 inches high, $1.50 each.

BORONIA ELATIOR—Good shaped plants in 6-inch pots, about 20 inches high, 75 cents each.

For a full line of **Seasonable Stock** together with all the leading **Novelties of the Season** see our New Quarterly Trade List issued early in January.

HENRY A. DREER, Philadelphia, Pa.



25 N. Fourth Street, ...PHILADELPHIA, PA.

Importers and Manufacturers of
FLORISTS' SUPPLIES

FORCING!

Branch of the Horticultural Co., Boskoop, Holland.

Spiræa Astilboides Floribunda...$6.00 per 100
Spiræa Multiflora Compacta ... 6.00 per 100

Orders entered now for Spring delivery for
H. P. Roses, Clematis, Magnolias, Tree Roses, Hardy Azaleas, etc.

L. C. BOBBINK, Rutherford, N. J.

CHEAP FOR CASH

100 Cinerarias, "Dreer's Prize," 2½-inch pots, strong	$3.00
100 Begonia Incarnata, best winter bloomer, 2-inch pots	2.50
100 Begonias, mixed, very large, from 4-inch and 5-inch pots	5.00
100 Begonias, mixed, 2½-inch pots	2.00
100 Geraniums, "Bryant's," strong, 2-inch pots	3.00
100 Geraniums, "J. A. Nutt," strong, 2-inch pots	3.00
50 Asparagus Plumosus, 2-inch pots, at 5c each.	

A. RASMUSSEN, New Albany, Ind.

One sale makes two other sales. A trial of our apparatus will make you a customer for all the apparatus you may ever need. We want you to give it that trial—the apparatus will do the rest. Quaker City Machine Co., Richmond, Ind.

100,000 PALMS.

	Inch pot.	Inch high.	No. le'v's.	Each	Per 10.	Per 100.
Areca Lutescens	3	10-12	3-4	$0.12	$1 10	$10.00
Areca Lutescens	4	14-16	4-5	.30	2.75	25.00
Areca Rubra	3	10-12	3-4	.20	1.75	15.00
Corypha Australis	3	6-8	3-4	.12	1.10	10.00
Chamærops Excelsa	3	6-8	3-4	.12	1.10	10.00
Latania Borbonica $35.00 per 1000	2½	8-10	2-3	.05	.45	4.00
Latania Borbonica	3	10-12	3-4	.12	1.10	10.00
Phœnix Canariensis	3	6-12	2-3	.10	.90	8.00
Phœnix Canariensis	4	15-18	3-4	.22	2.00	20.00

For other varieties and sizes see wholesale list. Send for it.

W. J. HESSER, - Plattsmouth, Neb.
PALM GARDENS.

BEGONIAS

At Half Price to Close Out. All Extra Fine Plants.

Thurstonii, 3½-inch.....doz., 40c.; $3.00 per 100
Thurstonii, 2½-inch.....doz., 30c.; $2.50 per 100
A. Guttata, 3½-inch.....doz., 40c.; $3.00 per 100
Feasti, and four other kinds, 40c per dozen; $3.00 per 100.

A. J. BALDWIN, - Newark, Ohio.



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Specialties in Carnations, Chrysanthemums, Cannas, Geraniums, Dahlias. SEND FOR OUR PRICE LIST.

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Specimens for Pots and Winter Decorations.

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PALM Seed. Fresh on Hand.

	100.	1000.	3000.
Cocos Weddeliana	$1.25	$10.00	$27.50
Musa Ensete	1.25	10.00	27.50

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For Sale by Seed Stores.

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INDUCING PRICES FOR BEST AND NEW

Geraniums	Coleus
Begonias	Petunias
Salvias	Verbenas
Vinca	Pansies, etc.

DANIEL K. HERR, Lancaster, Pa.

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WRITE AT ONCE

Cornelius S. Loder, Secretary

National Florists' Board of Trade,

Regarding Collections, Credits, Etc.

271 Broadway, NEW YORK.

Chinese Primroses

From 4 to 4½ Inch Pots.

Magnificent Strain. $10.00 per Hundred.
Cash With Order.

S. MUIR, - 3530 Michigan Ave., - CHICAGO.

Burpee's Seeds Grow

CINCINNATI.

Stock Scarce for the Holiday.

Anxiety, rush and push of Christmas is now past, and the growers have time to balance their account book. So far as sales and prices are concerned, every one seemed to be well satisfied with the Christmas trade. Never was stock for several years past so scarce as this year, especially in roses and carnations. Out of town orders were refused as early as Wednesday at the wholesale houses. Carnations came in barely sufficient to fill orders. R. Witterstaetter, W. Murphy and Christ. Murphy had a large cut, 15,000 carnations being sent in by these West Price Hill growers alone.

Lily of the valley was not over plentiful and sold quickly at $5 per 100. George & Allen sent in the main supply of bulbous stuff. Violets were scarce all week at the wholesale houses, in fact, every violet around town was engaged by the retailers in advance at $2 per 100.

The Sixth street flower market the day before Christmas did not have the appearance of a rushing business day. It was cold and dreary and only here and there could be seen a vase of flowers and a few pot plants. Holly and lycopodium could be seen on every stand, which moved slowly. Good holly was none too plentiful, but there were quantities of poor stuff around town, only fit for the dump. At every corner a street vender could be heard crying out "Holly wreaths 10 cents each," while at the market house the price asked was 20 and 25 cents. Taking Christmas trade all in all, it is favorable compared with former years; some of the retailers at Fourth street report an increase of 25 per cent. NEGRUM.

WAYNESBORO, PA.

Xmas trade was the best ever experienced here. Pot plants had the preference to cut flowers. Henry Eichholz, of "Mars" fame, has had a Xmas present in the shape of a sport of a yellow Kaiserin rose, which opened fully on Xmas morning, and is just like the parent only yellow. He will take care of the babe and the trade may see it this fall at some of the shows. H.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

50,000 SMILAX by mail, 50 cents per 100; $1.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100; $20 per 1,0 0. Send for samples... Cash with the order.
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AN UNDOUBTED SUCCESS.

THIS MEANS THAT WE HAVE OTHER GOOD SEEDLINGS.

Our Next Introduction...

Will make its debut at the meeting of the American Carnation Society in Chicago next February.

Look for it. And there are some others in sight.

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Gratiot and Miami Aves. DETROIT, MICH.

Experiences with Carnations
READY NOW

Send me your address on a postal and receive them regularly during the season.....

ALBERT M. HERR,
LANCASTER, PA.

CARNATIONS
New and Standard Sorts.
NEW ROSE
MRS. ROBERT GARRETT HYBRID TEA
Rich, soft pink. Best introduction of recent years. Orders booked now. Delivery March 15, 1898. Correspondence Solicited.
H. WEBER & SONS, Oakland, Maryland.

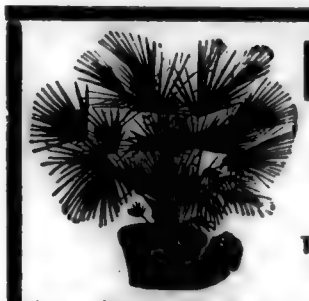
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Chrysanthemums, Carnations and Violets.

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The Largest Stock of Plants in the West.
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NEW CARNATION, **"Empress"**

The largest bright-rich Crimson yet introduced. Price, $10.00 per 100.

WM. SWAYNE,
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New Carnations

White Cloud.—White.
Gold Nugget.—Yellow.
New York (Ward).—Bright cerise pink.
Mrs. James Dean (Ward)—Clear silvery pink.
John Young (Ward).—White.
Bon Ton (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock) and all other principal new varieties.

All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

Mrs. Col. Peirce.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
Snow Queen.—White.
50c each, $5.00 per doz., $35.00 per 100.
Merry Christmas.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. DORNER & SONS CO.,
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By the Thousand.

BY MAIL.

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Double Petunias, 50 varieties	$1.25
10 New Varieties this year	1.50
Not less than 5 of a kind.	
Begonias, flowering, 25 varieties	$1.50-2.00
Geraniums, 25 varieties	1.15
Ivy Geraniums, 10 varieties	1.50
Abutilons, Boule de Neige, Splendens, Golden Fleece and Souv. de Bonn	1.50
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Cash with order, please.

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Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

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Write for prices on car lots.

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IN order to close out stocks remaining unsold, for one week only, after which we shall box up for our own forcing any stocks then left. If you want any of this stock, order at once. Stock is in perfect condition, and we offer it **very low—in many cases below cost**—in order to close out quickly, as it is late in the season and the assortment is broken.

6,000	Narcissus,	True Irish Princeps	$ 9.00	per 1000;	regular price,	$13.00
2,000	"	Trumpet Major	9.00	" 1000;	"	12.00
1,000	"	Campernelle Jonquils	4.50	" 1000;	"	6.00
750	"	Poeticus	3.00	" 1000;	"	3.50
1,000	"	Incomparable Stella	4.50	" 1000;	"	6.00
400	"	Orange Phoenix	1.50	" 100;	"	2.00
2,000	"	Von Sion, extra quality	14.00	" 1000;	"	19.00
5,000	Miniature Hyacinths, or Dutch Romans—named sorts		9.00	" 1000;	"	12.00
3,000	Pink Romans, extra quality		12.00	" 1000;	"	16.00
6	Cases Spiræa Astilboides Floribunda		$10.00	per case 250	clumps;	12.00
10	" "	Compacta Multiflora	12.50	" 250	"	15.00
2,000	Tulips	Chrysolora	$ 9.00	per 1000;	"	12.00
1,000	"	Gloria Solis	4.50	" 1000;	"	6.00
200	Callas, extra size		4.00	" 100;	"	6.00
1,500	Oxalis,	Bermuda Buttercup	8.00	" 1000;	"	12.00
1,500	"	four named sorts	4.00	" 1000;	"	6.00
2,000	Ixias		2.00	" 1000;	"	3.00

Terms, net cash 60 days, or 5% discount for cash with order.

F. R. Pierson Co.

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Texas Seed and Floral Co.

WHOLESALE FLORISTS

Consignments of Choice Roses and Carnations Solicited.
We get Top Prices, Make Quick Sales and Prompt Returns. TRY US.

WE OFFER THE FOLLOWING AS LONG AS THEY LAST:

Rooted Cuttings Geraniums in choice named varieties at $1.50 per 100.
Hibiscus, 2½-inch fine plants at $4.00 per 100.
Lemon Verbenas, 2½-inch fine plants at $4.00 per 100.
Strong Field Grown Everblooming Roses at $12.50 per 100.
Fine Roses from 2½-inch pots, in all of the leading varieties, at $3.50 per 100.
Stock Plants, Alternanthera, at $4.00 per 100.

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Jadoo Fibre Grows Prize-Winners

GRAFTING EXTRAORDINARY.

A state editor having learned of a marvelous feat in horticulture by grafting tomatoes on potatoes, so that the hybrid plant grows potatoes under the soil and tomatoes above, now asks some genius to trot to the front with a plan for growing cranberries on turkeys.

WHEN YOU WANT THE **BEST**
SEND TO
BASSETT & WASHBURN,
CHICAGO

MILWAUKEE.

The '97 Christmas is a thing of the past. Comparing it with last year it was not so favorable as far as supply was concerned. Good stock was extremely scarce and commanded high prices. Much of the stock was weak stemmed and soft. Meteors and Beauties were mostly called for and all other colored stock moved rapidly. Prices on roses, select quality, ranged from $12 to $18 per 100; Beauties, $3 to $12 per doz.; carnations, $3 to $5 per 100; violets, $1 to $2 per 100; stevia, Romans, valley, paper whites sold fairly well with good supply. Shipping trade was brisk, but there was not enough good stock to go around. Some 'mums were still to be seen, but showed the effects of holding back and consequently found slow sales. Considerable holly was disposed of, both Southern and Delaware, but the latter was far superior to the southern holly this season.

Otto Sylvester shipped in a large quantity of violets to Ellis & Pollworth of exceptionally fine quality.

The retailers report good sales of palms, ferneries and all blooming pot plants.

J. E. Mathewson, of Sheboygan, was a recent visitor, looking up Xmas supplies.

GEO. WASHINGTON.

CAMBRIDGE, MASS.

F. C. Becker has a fine lot of azaleas in for the holidays. This stock is much sought after by Boston retailers, owing to easy transportation. Another who handles one of, if not the largest stock of flowering plants in New England, as a wholesaler, is W. W. Edgar, Waverly, who is on hand this year as usual with a splendid selection.

W. E. Doyle has several houses filled with well grown stock, especially azaleas and oranges, in anticipation of a big demand which he is capable of taking care of.

In passing, I would note the decease of the mother of Dan Murphy, the genial foreman to Mr. Doyle. This worthy lady was a great lover of plants and was constantly in touch with them during her ninety years of active life. At her funeral, which took place at Woburn on the 9th inst., the floral tokens were both profuse and chaste.

P. O'Brien & Son are much pleased at the outlook for Christmas. W. A. Bock reports big sales this fall. W. M.

Ficus Elastica

$25.00 FOR 100 FEET.

Young Plants, top cuttings, in 3-inch pots, three to six leaves, **$15.00 per 100.**

ALSO....

Canestakes

Ten to twelve feet, at **$3.00** per 1,000; **$25.00** per 10,000.

CASH WITH ORDER...

A. C. OELSCHIG, Savannah, Ga.

SIMMONS'

New Light Colored **CARNATION**

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

THE NEW PRIMROSE YELLOW

Chrysanthemum Pennsylvania

The finest Chrysanthemum for cut blooms or exhibition ever introduced.

Each	50c	**Per Hundred**	$ 35.00
Per Dozen	$5.00	**Per Thousand**	250.00

Fifty at one hundred, and five hundred at one thousand rates.

Hugh Graham,

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FIREFLY!

.... A RUST-PROOF CARNATION.

Bright scarlet and Positively RUST PROOF. It is as prolific as Wm. Scott, of good size and form, and its keeping qualities are unsurpassed. We have tested it four years. Our stock also includes all the novelties of '97 and '98. Send for prices.

Geo. Hancock & Son, Grand Haven, Mich.

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FINE STRINGS 12½ CENTS.

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The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

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SIX SHARES OF STOCK IN THE AMERICAN FLORIST CO.

Address, G. L. GRANT, 530 Caxton Building. CHICAGO.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.



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Florists' Supplies. Send to us—our line is complete.
Wire Work—None made as good at our prices.

Do you want Fine Cut Flowers

For your trade? Try us!

Our Violets especially are those that won prizes and win customers.
Palms and Ferns—We grow them and guarantee safe arrival by Express.

ELLIS & POLLWORTH, Milwaukee, Wis.

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A few copies left of the Souvenir Program of the S. A. F. Convention at Providence, can be had on application. Address

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6 Exchange Place, Providence, R. I.

CERANIUMS.

Rooted cuttings of J. J. Harrison, S. A. Nutt, Beauty Poitevine, Leonard Kelway and 30 other varieties, our selection, $1.25 per 100, $10.00 per 1000. Grant and Tennyson, $9.00 per 1000. Mme. Salleroi, $1.00 per 100, $9.00 per 1000. **Ageratum,** blue and white, 60c per 100 by mail. **Feverfew, Little Gem,** $1.00 per 100. **Fuchsias,** Gloria De Marches and 20 others, $1.50 per 100. **Grant Sweet Alyssum,** 70c per 100 by mail. Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.



Spiraea Astilboides Floribunda, the best variety for pot plants, $5.00 per 100, $45.00 per 1000.
Lily of the Valley, Berlin. Per case 2500, $23.50; $10.00 per 1000.
Gladiolus "The Bride." For forcing, 60c per 100, $5.00 per 1000.

Clucas & Boddington Co.

Tel. call 403—18th St. 501-503 West 13th St., NEW YORK CITY.

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General.....
Introduction

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Florists' Publishing Co.....530-535 Caxton Bldg.....Chicago.

DETROIT.

Christmas trade was good all round, notwithstanding the cold weather, the retailers not being able to procure stock enough to go round and one having to buy stock from one of the department stores. Roses were very poor, weak in the stem and off color, but brought good prices. Carnations went at wholesale at from $4 for common to $6 for Pingree and fancy. Plants moved off rapidly; many more azaleas could have been disposed of if they had been in bloom. The retailers all seem very much pleased with trade in general, but complain of the shortage of cash sales, a large percentage being booked for future collection.

RAG.

NEW JERSEY NOTES.

Mr. L. Bonnot, Flemington, N. J., will open a retail store at Easton, Pa., in the course of a few days.

Mr. Ernest Asmus, recently with Pitcher & Manda, has taken a position as manager with the Denver Floral Co., Denver, Colorado.

The firm of Bonn & Dressell, Hoboken, is now carried on entirely by Mr. Fredrick H. Dressell and under his name.

WILMINGTON, DEL.

Competition among the florists in this quiet old town must be causing more fun than profit. One of the leading florists here is selling carnations, retail at ten cents per dozen.

Charles Sparks, Jr., has built a new house 16x72 and will have a good supply of mums for Christmas from cuttings struck in October and planted in the most open places on the carnation benches.

ERNEST ASHLEY.

"ONE DOLLAR ENCLOSED."

Ring out the old, ring in the new,
Let printers' ink new thoughts unfold,
Nor heed the owlish Tuwhit! Tuwhoo!
Of "fogies" who may rail and scold;
Write *what you think*, not what you'r told.
Ring out the old, ring in the new.

Ring in the new, ring out the old
And bring us ideas up to date,
Strike hard and fast, fearless and bold
And established notions dissipate.
Where error lies t'will compensate.
Ring in the new, ring out the old

Ring out the old, ring in the new
I drink your health in this my toast,
To Grant and Scott and the others, too,
(Your paper's staff, a valiant host):
"One dollar enclosed" for FLORISTS' REVIEW.
Ring out the old, ring in the new.

H. B. BUDDENBORG.

Buffalo, Dec. 23, '97.

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HUNT'S MARKET REPORT.

During the interval between last report and the opening of the Christmas season, little developed save a strongly marked scarcity of carnations and a slight decrease in receipts of roses.

This, however, did not affect the market much, as the cold, cloudy spell then passing had produced many periods of even greater scarcity and all were accustomed to it.

Christmas trade opened early in the week. Shipping beginning Sunday evening and reaching its heaviest points Monday and Thursday nights with a reactive breathing spell beginning Tuesday and lasting well into Wednesday between.

Wednesday afternoon saw local trade, which up to then had been afraid to take hold, begin to nibble in an endeavor to protect their orders. Their speculative buying was, however, mainly left for Friday. This with supplemental rush orders from outsiders together with short distance shipping made Friday notable.

The entire week was full of features, each day having its share of excitement ranging from a famine to a threatened rush to sell. The immense reserve stocks (accumulated the Lord only knows how) of generally first rate quality, came dangerously near breaking the market at times. This was averted and no season yet so far as we know will show a more even range than the one just past.

Bulbous stuff was abundant and sold well. In small stuff alyssum, mignonette, marguerites and other similar stock while in fair supply fell far short of the demand. Violets, real good honest violets, were snapped up as soon as seen, but many bleached-out, inodorous, calamity-stricken ones were in evidence during the entire time that never were sold.

Carnations were always in demand, and while on the whole more plentiful than expected never were in in quantities too large to place at full rates. Reds were the hardest to get and at times they couldn't be had. The other varieties held their own, and supply may on the whole be said to have equaled the demand.

Roses of all sorts of the standard leaders were plentiful from Tuesday on, not at any time too many, save in the poorer grades. While each day saw a deluge of roses not a night came but found the market well cleaned out. In quality receipts probably averaged better than at any corresponding period in years. Beauties were the exception—they were scarce at all times and inclined to be anything but high grade. The very best were the long-stemmed, for which, while in brisk demand, there was not near the call that there was for medium and short stems.

Taken all in all the trade was highly satisfactory to dealers generally, prices realized being good and stock generally of a grade satisfactory to both buyer and seller. The volume of trade was heavier than last year and closing of the season leaves trade seemingly in a healthier condition than is customary.

OMAHA, NEB.

Stock Scarce—Satisfactory Trade.

The Christmas trade has been good but stock very scarce on account of the dark and gloomy weather. Carnations and violets were very scarce and commanded most any price. Roses sold at $1.50 to $3 per dozen, American Beauties 35 cents to $1 each, carnations at 75 cents, narcissus 75 cents to $1 per dozen, hyacinths 75 cents, stevia $1 to $1.50 per dozen sprays, poinsettias 25 cents to 50 cents each, Chrysanthemums were numerous, but their favored days are past and nobody seems to care for them at any price.

Seen in the Florists' Windows.

The florists all made a nice display in their windows. S. B. Stewart had a pretty display of holly and cut flowers; Peterson Bros. had their windows stocked with nice azaleas; A. Donaghue made a fine display of azaleas and palms; L. Henderson showed his rare cacti and cut flowers; Hess & Swoboda showed some nice azaleas and poinsettias. The Nebraska Seed Co. made a nice display of Southern Sabal palms and greens. Pot plants sold as well as cut flowers and brought good prices. Nebraska has not experienced such continual cold weather for many years past. J. J. H.

COLUMBUS.

Trade has been very good during the holidays and what is better still less charging and more cash business. Some florists did not know prosperity was here and kept the prices lower than was necessary. Plant trade was fully 60 per cent. more this year than last.

Franklin Park did a very fine Christmas trade. Livingston's Sons did more than ever before. Their new fixtures in the cut flower department are paying good interest and verify their genial manager's, Mr. Danzer, progressive ideas. JUSTICE.

WE EXTEND thanks to the *Florists' Exchange* for its courteous greeting and assure it that we are here to benefit the whole trade and to injure no one. Had we not been thoroughly assured that there was room for all, the REVIEW would not have been born. And it has proven a much more vigorous infant than we anticipated.

ADVERTISEMENTS of help wanted and situations wanted, not exceeding five lines (seven words to the line) will be inserted free until further notice. Additional lines 10 cents each, per insertion.

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SALEM, MASS.

McGee, Geary & Co., are experiencing the usual lull before a storm but have the sails set to catch all that comes their way in the next few days. I am pleased to report Mr. Geary again on the active list after a long siege. W. M.

PLATTSMOUTH, Neb.—Mr. W. J. Hesser is recovering from a long illness and hopes to soon be about again.

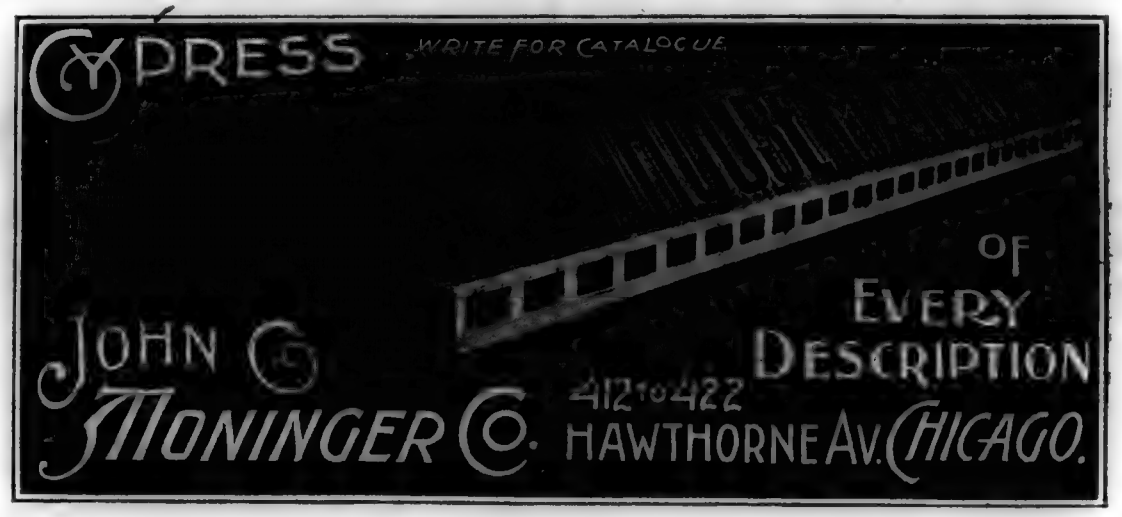
ANDERSON, IND.—M. E. Longfellow is building a house 20x63 to be devoted to lettuce. But he intends to soon be growing flowers.

RICHMOND, IND.—Fulle Bros. have built a new three-quarter span house 22x80, for carnations.

CARTHAGE, O.—The Longview Asylum has built a new greenhouse 20x100, using the Evans Challange ventilating apparatus.

RICHMOND, IND.—Mr. E. G. Hill has been confined to the house by an attack of lumbago. It is hoped that he may soon be able to be about again.

WE HAVE RECEIVED from Mr. L. E. Marquisee, Syracuse, N. Y., flowers of his new pink seedling carnation. The flowers are of good size, borne on good strong stems. There certainly seems a place for it in view of the fact that Mr. Marquisee states that it is entirely free from any tendency to disease and is a very strong grower and free bloomer.



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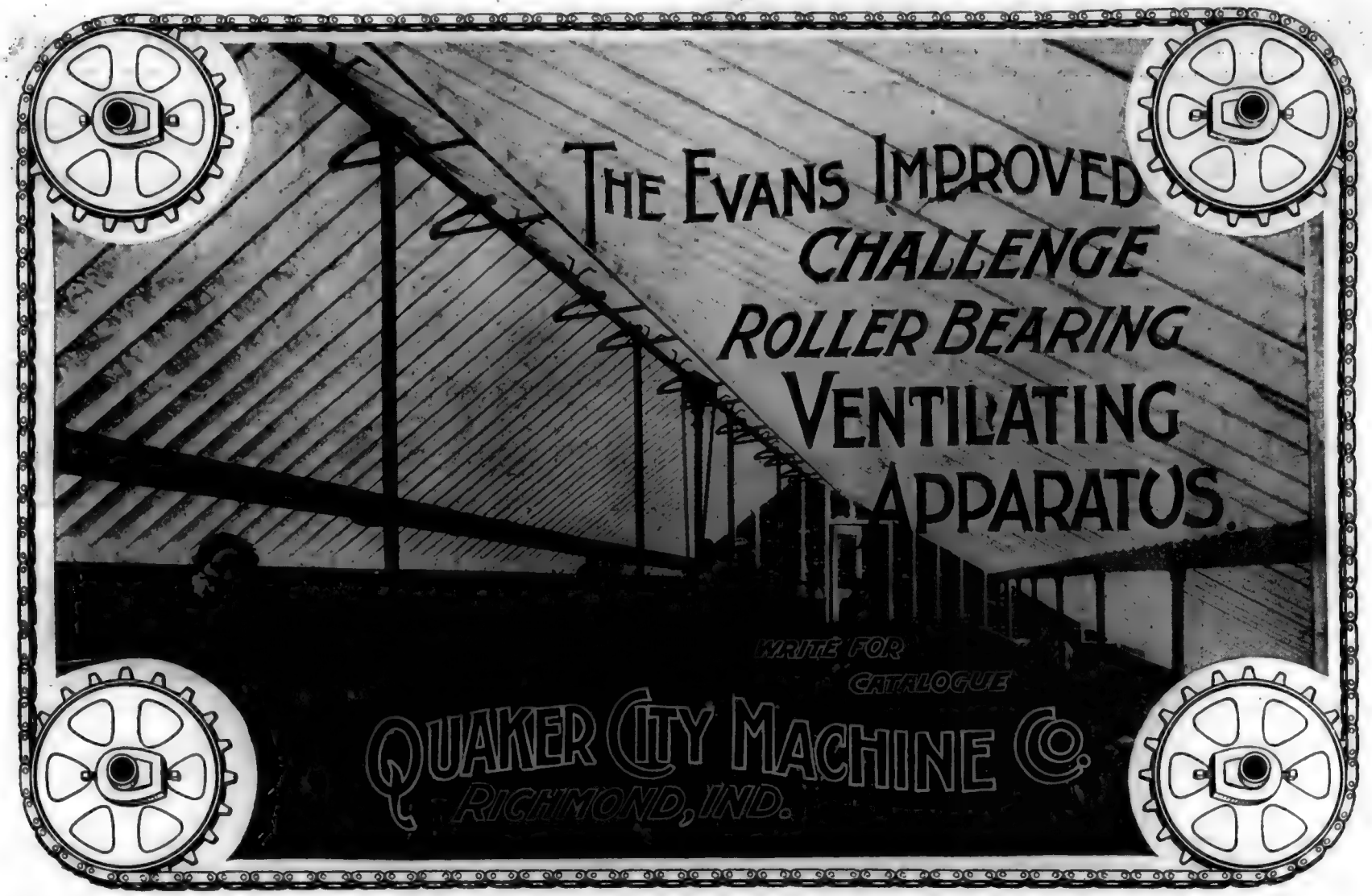
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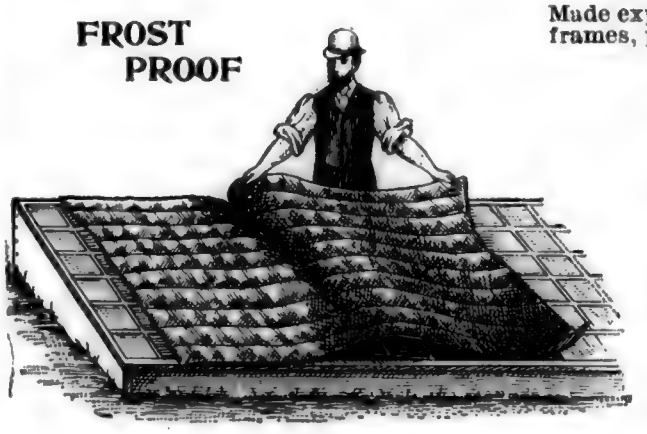
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THE WEEKLY
FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 530-535 Caxton Building, CHICAGO.

Vol. 1. CHICAGO AND NEW YORK, JANUARY 6, 1898. No. 6.

SOME NEW YORK STORES AT CHRISTMAS.

In this issue we take our readers for a Christmas jaunt among the stores of prominent New York florists. Not the least interesting of the things we see are the blooming plants decorated for Christmas gifts and which are seen in all the leading stores. They are seen in larger numbers than ever before and this trade shows a tendency to develop still further. We also admire the decorated exteriors of the various stores and take a peep at the displays in the various windows. Our view of the latter is, however, somewhat confused by the fact that the plate glass windows reflect objects on the other side of the street. Still we get a fair idea of the style of decoration and display. The plants illustrated were decorated by Dards.

NOTES FROM TRENTON AND PHILADELPHIA.

Mr. Roebling's Orchids.

A business trip to Philadelphia recently furnished an opportunity to break the journey by a stop off at Trenton, the objective point being Mr. C. G. Roebling's unique collection of orchids, whose fame is world-wide, and I quickly found that its merit and fame were justified by the richness, variety, and in many instances extreme rarity of a number of the plants; added to which the collection represents the acme of good cultivation. This is as it should be, and Mr. Roebling's generous expenditures in purchasing have met with responsive efforts in cultural skill on the part of his clever grower, H. Clinkaberry, the result being a collection rich and beautiful in every way. The visitor is not asked to admire a lot of microscopical mites, but sees on all sides green, growing, healthy, vigorous plants, some of them specimens of great size; as for example Cypripedium Stonei, in a 15-inch pot, and the pot scarcely visible, hidden in luxuriant leafage and bearing fifteen spikes of flowers.



Azalea dressed with Crepe Paper and Lace Ribbon.

CHRISTMAS PLANTS IN THE NEW YORK STORES.

The present being the height of the cypripedium season these naturally were the predominating flowers, and with such a range of choice it was no easy matter to single those out for special mention here.

Some Rare Cypripediums.

C. Leeanum Clinkaberryanum, which was recently awarded a silver medal at Boston, I was fortunate to see two plants of, one of them, the plant that went to Boston, still with its flower intact and fresh, apparently none the worse for its travels. We have read about quite lately and I noted not long since the fine Leeanum giganteum, but from henceforth this name will be misleading, for in this silver medalist we have a larger and finer variety still. It has a dorsal sepal of immense size, nearly uniform in width and depth, measuring nearly three inches each way. There is a large area of the purest white; the base is light green, slightly brown spotted, the spotting continued into the white portion and becoming a mauve purple. The base of the dorsal sepal extending below the petals and showing little disposition to recurve, gives a concentration and distinctive massiveness to the flower, a feature peculiar to itself. The petals are fully half an inch broad, gracefully undulated on their upper edges; in color light greenish-yellow with faint brown shading and prettily spotted. The pouch is prominent, of a polished brown in front, its two lobes projecting inward towards the petals and measuring about one and one-half inches across. It is only making a statement of fact to declare this undoubtedly the finest form of Leeanum that has yet appeared, and of American origin, too.

Next to attract notice was the fine plant of C. insigne Sanderæ, the same as was exhibited at the Astoria show in New York in November and bearing three flowers. Detailed description is superfluous for this practically spotless gem and to see it is to covet it, but it will not be a market "cyp" just yet. Hardly less beautiful was C. insigne Ernesti, a plant of which bore six fresh flowers. This has more of the incidental spotting but the color spots are subdued in tint, plainly manifest yet appearing almost faded out. Another noble form is insigne Wellsiana, having one of the largest flowers of any of the insigne type, with a large area of the purest white in its dorsal sepal, the petals and pouch yellow, suffused with brown in light reticulations free from spots; in short a giant flower of great beauty, borne loftily on an immense stem eighteen inches in length.

C. Germanyanum represents a lovely cross between villosum and hirsutissimum with the characteristics of its hirsute parent strongly marked. The dorsal sepal is a polished brown and black spotted and has a well defined light green margin. The petals are prettily spotted and distinctly colored, their upper or superior portion being a pale reddish tint, a prominent midrib dividing the inferior portion which is yellowish green, but at their apices they are of a clear, distinct unspotted, mauve purple hue. The pouch is peculiarly hairy about its aperture, while a prominent green boss in the center of the staminode catches the eye quaintly.

C. Haynoldianum was represented by a grand plant bearing several flower spikes, one having four flowers upon it and another three, with sufficient stem growth between each for the flowers to display themselves individually. This is a true species, coming from the Philippine islands. The flowers are large and showy, having graceful deflexed petals three inches or more in length, broadening towards their tips and marked with large brown blotches on a greenish yellow ground. The dorsal sepal is similarly blotched at its base, but is white with pink shading in its upper part.

In C. Thayerianum we have another grand hybrid from Boxalli atratum and Lawrenceanum, strongly colored in deep rich tones, heavy spotting characterizing sepals and petals, while its handsome pouch is stained in light violet purple. C. picturatum, a cross from Spicerianum and superbiens, shows a trait of its first named parent in the white dorsal sepal which, however, is marked with vertical lines of light purple. The petals droop prettily, are greenish yellow flushed with a faint purple tinge and minutely dotted, the pouch dull reddish brown.

C. radiosum, also from Spicerianum with Lawrenceanum as its second parent, shows us a dorsal sepal of most beautiful coloring, and graceful curvature. In its rich green base there are conspicuous lines of darker green which radiate vertically and as they pass into the white ground color, become rich mauve purple forming bright veins about a dozen in number disposed as parallel lines, running from top to bottom. The petals and pouch are a harmony of neutral tints in soft green and light brown.

C. callosum, a Siamese species, was noted in a fine form, with dorsal sepal projected forward in a half hooded man-



Large flowered Cyclamen in gilt Basket, dressed with red Ribbon.

CHRISTMAS PLANTS IN THE NEW YORK STORES.



Otaheite Orange in gilt Basket, tied with orange watered Ribbon.

CHRISTMAS PLANTS IN THE NEW YORK STORES.

ner. In color mainly white, varied with strong vertical lines of deep crimson purple extending from base to apex. The deflexed petals are shaded with rosy purple overlying green, the purple tint accentuated toward their apices, while along their upper surfaces are disposed several wart-like spots in black.

C. Niobe Shorthillsense, with fine flowers on stems of more than ordinary length; C. Spicerianum having sixteen expanded flowers upon it; C. Henry Graves, Jr., so refined and pretty in quiet neutral tints; C. Victoria Marie, C. regale purpureum, and a great pan of C. pavoninum inversum just coming into flower, were also noted, but one-half is not told and space prohibits prolonging the cypripedium part of the story.

Before dismissing them, however, I would remark that it is only in such collections as this that one realizes what grand additions have been made to the "cyp" family through garden hybrids. Some botanist of repute, I forget for the moment who, deplored this mixing up of the species. Our collections would be meager indeed, minus the hybrids. Why, Mr. Clinkaberry told me that in that display he made at the Astoria show before mentioned, out of fifty-seven varieties of "cyps" staged on that occasion, no less than fifty of them were of garden origin. Certainly Mr. Clinkaberry has been a great offender in this matter, if offence it is, for he has seedlings by the hundreds and before many more seasons pass some of his

Seedling Cattleyas

are bound to create something of a sensation. In the first place, the cattleyas growing in this collection represent a selection of the best in existence, add to this the fact that these have been crossed, and even the most vivid imagination cannot picture the rich beauties that ere long will here unfold. They are mites at present, but there are hundreds of them each in its own little cradle, with its parentage and birth recorded.

Here is one, for example, a cross between Cattleya intermedia Emelie and Lælio-cattleya Phoebe. The plant is now in sheath, yet will not be three years old until next April, by which time it will probably be in flower. This may bring assurance to the fainting heart of some who fear cattleya extermination in the tropics, and the hope that home raised seedlings may yet become a staple market commodity. Try it! and report progress three years hence.

At the present time the florist is looking for the cattleya that will bridge the gap that comes between labiata and Trianæ. There are two that will do this, and both were noted here, C. Percivaliana in several varieties of exquisite color richness and C. maxima, which belies its name, for since it was discovered, now more than fifty years ago, so many larger ones have been found, yet what it lacks in size it gives in numbers, ranging from five up to ten flowers on a spike. Accept the dictum that merit is not measured by size and then you have here two valuable commercial cattleyas.

Various Orchids.

Lælia anceps in variety filled one side stage, and just coming into flower showed wide range of coloring and rich selection from pure white to crimson. I specially noted L. anceps Percivaliana having immense flowers, sepals, and petals, white slightly flushed with pink, and delicately penciled lines of mauve-blue at the base of the lips; also L. anceps Gouldiana of an opposite extreme in deep dark crimson.

The showy and quaint angræcums, too, were well flowered. A number of A. sesquipedale being open, while a plant of A. eburneum carried six fine spikes each with eight or more flowers.

Zygopetalum rostratum is the orchid everyone is looking for. Mr. Clinkaberry only has two, but he says they are always growing and flowering. It has a creeping or trailing habit of growth and flowers disposed in spikes of two, three, or more. The most conspicuous part of them is a broad flat lip quite white except at its base where it has a frill-like attachment lined with purple. The sepals and petals are long, narrow, taper to a point, stand and depend quite perpendicularly behind the showy lip, are whitish at their base, green tinted in the center and flushed with brown towards their tips. But, though orchids are supreme in this establishment they do not have undisputed sway for there are

Palms

to be seen also, and these some of the newest, now established and growing luxuriantly in a comparatively new

house. First as to the house itself. It was built by Mr. Roebling, and built to stand as may be gathered from the fact that it is of iron, has over twenty tons of iron in its roof alone, yet does not look unduly heavy. It is glazed with a special ground glass that obviates the need of artificial shading and the appearance of the plants testifies to the fullest extent that they feel at home there. There are no benches whatever in the house but a central rockery with path around and rockwork again along the sides and ends. Some 500 tons of rock were used, though one would not realize this so admirable is the disposition of it and so completely is it all clothed with suitable vegetation. It was a fine opportunity for skillful display and Mr. Clinkaberry embraced it thoroughly. Throughout the house fine specimens adorn all the salient points, have the desired isolation sufficient to bring out their individuality, yet at the same time they form but parts of and blend into a most artistic arrangement of plants stamped with originality and manifesting a complete break away from conventional lines or methods.

Phœnix Roeblini though comparatively new is represented by a beautiful piece, and could this palm only be offered in quantity it would soon take a place on the market. So light and graceful it would make a formidable rival to Cocos Weddeliana, which is saying a great deal, and in the larger sizes it would surpass the cocos as it suckers freely at the base, therefore shows no naked stem growth.

Guilielma speciosa, another uncommon palm from tropical America, was noted in fine size and condition, tall and graceful, the leaves pinnate, the terminal pair of leaflets much wider than the rest, and having long spines on the under sides of the leaves.

In kentias, besides the ordinary commercial kinds, I noted K. Lindeni a grand piece with four leaves, the last unfolding leaf shining brown with a coppery lustre, the mature leaves having about thirteen pairs of leaflets eighteen inches long and four to five inches broad in their centers, but constricted at their point of attachment to the midrib and tapering gradually to a point at their tips. Quite opposite in character was Kentia McArthuri, which has broad leaflets terminating abruptly and almost or quite as wide at their tips as in any portion; tall in growth with a handsome main stem, but disposed to sucker freely from the base.

Calamus Lewisianus is another noble palm, the plant here having a dark spiny stem and elegant arching leaves of great length. The leaflets are one foot in length, about two-thirds of an inch wide, somewhat toothed along their edges, and I counted 100 pairs upon one matured leaf, while the plant had several such magnificent leaves.

Yet another palm and one quite unique in its peculiar distinctive leaf growth is Areca Madagascarensis. The plant here had four fine leaves, each leaf nearly six feet in length. The leaflets are distributed in groups of from three to five, and most irregularly disposed, some standing up erect, others spreading horizontally, and others quite deflexed. The leaflets are about fifteen inches long, one inch broad, tapering to a point, of a soft gray-green color, and their disposition gives to the plant a light plumy appearance quite unlike that of any other palm.



Erica Fragrans in celluloid Basket, dressed with red Ribbon.

CHRISTMAS PLANTS IN THE NEW YORK STORES.

A splendid plant of Thrinax argentea stands at one corner of the center bed, having a clear stem of eight feet, surmounted by a head of fourteen broad, graceful fan-like leaves, and all this growth has been made within the past year.

On the opposite corner is one of the best pieces of Rhapis flabelliformis I ever saw, a marvel of excellent cultivation. The plant grows on a rocky mound of about two feet in elevation, is just one dense mass of luxuriant leafage from top to bottom, and measures about five feet in diameter.

Dion edule in fruit was noted, its coriaceous leaves steel-like in texture and sharpness, as those know only too well who have had to handle it much. Cycas revoluta was in fruit and C. circinalis was seen equally well grown. An immense plant of Caladium violaceum is a prominent feature in this house. It stands upon a ledge of the side rockwork, its leaves towering well above one's head. It has leaf stems of great thickness, several feet in length and colored dark violet. The leaves are three feet long, two feet wide, of an intense deep green, the midrib and transverse leaf veins especially prominent, while the smaller veins are visible throughout the body of the leaf, and altogether the leaf affords a wonderful study in venation.

So much for the major features, but I am a long way from exhausting the treasures of the house. Beneath the umbrageous spread of the already mentioned plants are hosts of lovely things of lowly growth as dieffenbachias, marantas, the best to date including a good piece of M. Sanderiana. Heliconias, in which special mention must be made of



Araucaria Excelsa Glauca dressed with red Ribbon.

CHRISTMAS PLANTS IN THE NEW YORK STORES.

H. illustris rubricaulis, a variety whose beauty and color richness can never be adequately described in words, these with ferns, grasses and lycopods combine to give the finish to a picture truly tropical in its luxuriance and naturalness, and surpassing nature in one respect, for nowhere in nature's richest fields could so many species and varieties be found in such graceful association upon so limited an area. I have often visited gardens spread over broad acres and found them quite devoid of interest, but here, right in the heart of Trenton, on a town lot, is a collection of plants that one needs to spend days examining before realizing to the full the vast store of beauty.

A Visit to Chestnut Hill.

I gathered these notes in the space of two hours and filled out the day with a visit to E. Lonsdale's and J. Burton's, two establishments of whose products I had often read, nor is that a matter for wonder when one has seen the places in question; for example, those American Beauties in solid beds, you need to see them before you can appreciate the "fishing rod" story told in connection therewith. Even the "Rose City" itself can show no "Beauties" like these from beds of the second and third year. Meteors and Carnots, too, were just about as fine as it is possible to have them. Our near-by growers of Farleyense, too, will have to defend their well won laurels for Mr. Lonsdale has a grand batch and was shipping therefrom to the New York market. A front bench of crotons led to an exchange of views as to their adaptability for outside use in summer, the chief point elicited being one must not expect much growth to be made outside, therefcre, at the start plant close'y, then when the leaves take on their best color a grand bed will result. I noted here Rothschildianum, very large leaf, veined in bright crimson on a darker ground; Andreanum, reddish yellow veins on a lighter ground; Fasciatus, Queen Victoria, a good old variety, and Dayspring, this last most distinct, the central portion of the leaf being red, broadly margined with dark green. The "cyps" seen were mostly insigne forms, as the public at present only wants the "green orchid," but Mr. Lonsdale is striving after something else, at least I assume that much from seeing a lot of seedlings of Charlesworthi crossed with numerous other fine kinds.

The "shades of night were falling fast" before I had seen all that was to be seen over the way at Burton's, but in addition to the usual line of roses, I noted some good houses of hybrids coming on with one house of Brunners from which cutting had commenced. A front bench of C. insigne here should be mentioned. One could see nothing but a solid sheet of flowers.

At Chestnut Hill the object of my visit was an inspection of the stock in W. Warner Harper's Andorra Nurseries, and the planter will be hard to please if he does not find something here to meet his needs in deciduous or evergreen trees and shrubs. To review the stock in detail is not my intention here, but of things one is sometimes looking for in these latter days and cannot always readily get; I would mention the oak-leaved Hydrangea quercifolia, a handsome shrub not enough planted, Berberis Thunbergi, Spiræa Anthony Waterer, and the new sweet briers, all plentiful, while the rhododendron stock is a feature of the place and one that is going to grow.

As is well known, there are hardy rhododendrons that can withstand the rigors of winter in this latitude, and the same varieties have perished too often because they have been imported plants grafted on the tender ponticum stock which, be it understood, is a South European plant and ill-fitted to endure the climatic vicissitudes of North America. Mr. Harper has a very large stock of own root rhododendrons of present planting size, although one of our contemporaries says "if one wants to buy a few hundred plants there is not an establishment in all America that can furnish them," and I saw abundant evidence of future development, in the right direction, for thousands of shoots had been layered. From layers or from seed it should be, and in fact is, just as easy to raise own root rhododendrons here as over the water, and once they are well under way they will grow to salable size with greater rapidity by a gain of one year in three. It only awaits to be done and until it is done the rhododendron business will still be transacted in comfortable city offices and the plants dispatched from shipping wharves with the ever attendant uncertainty as to their becoming acclimated in the gardens of their too often unfortunate purchaser.

From the Andorra nurseries I came back to Philadelphia

Along the Wissahickon Drive

and what a precious heritage this drive should be considered by Philadelphians, preserving to futurity one of nature's real beauty spots, too many of which have vanished, sacrificed to the supposed needs of commercial enterprises. Along this drive in truth "Nature unadorned is adorned the most" and man's efforts at park mak-

ing and park planting appear insignificant in comparison therewith. Here the hemlock, the noblest evergreen of the eastern states, is indeed at home, clothing the rocky escarpments and carrying its spiny pinnacles skyward and casting heavy shadows on the earth, its huge columnar stems supporting a dense canopy overhead, through which the light rays come subdued and suggestive of restfulness and peace. Thus it is on either side, whilst away a little below the road, but always in view, at times peaceful, at others tempestuous, the waters of the creek pursue their tortuous course over the rocky bed.

I say again this drive is a boon to city residents, and is likewise a lasting monument to the wisdom and foresight of those who projected it, and thus may it remain is the sentiment of the majority. The park board, or whatever authority controls it, appear to think otherwise for already I note improvements (?) are under way. Along the drive, between it and the creek, is a strip, of varying width, clothed thinly with natural trees as the tulip, willow, oak, red birch and others, and undergrowth of viburnum and witch hazel, with here and there, probably all gone now, delightful tangles of wild vine which has raised itself to the tops of the tallest trees and the stems hang loosely like ropes. A little force of "vandals" were busy clearing out this undergrowth, tearing down the vines, and a trail of ashes marked the great extent of their operations in this direction. Why? These erstwhile creeper-clad trees were not extraordinary specimens of their kind, in fact, not a few of them look very mean when shorn of their drapery, and the average mind wonders wherein the necessity for thus clearing up a pretty bit of nature. Possibly some developments are planned, some ornamental (?) planting, and I am led to infer this, for as I neared Fairmount Park, I observed that the van of the ornamental planters' army was within the gates, so to speak; some California privets, Chinese forsythias and Siberian dogwoods, aye, and even the Norway spruce. These have their merits, but why obtrude them here. It was better far to let the Wissahickon drive retain its own distinctive charm and preserve it as showing a little bit of nature's Pennsylvania, easily accessible and recreative to the toiling millions nearby.



Stumpp's.



Siebrecht & Son's.

NEW YORK STORES AT CHRISTMAS.

A Visit to W. K. Harris.

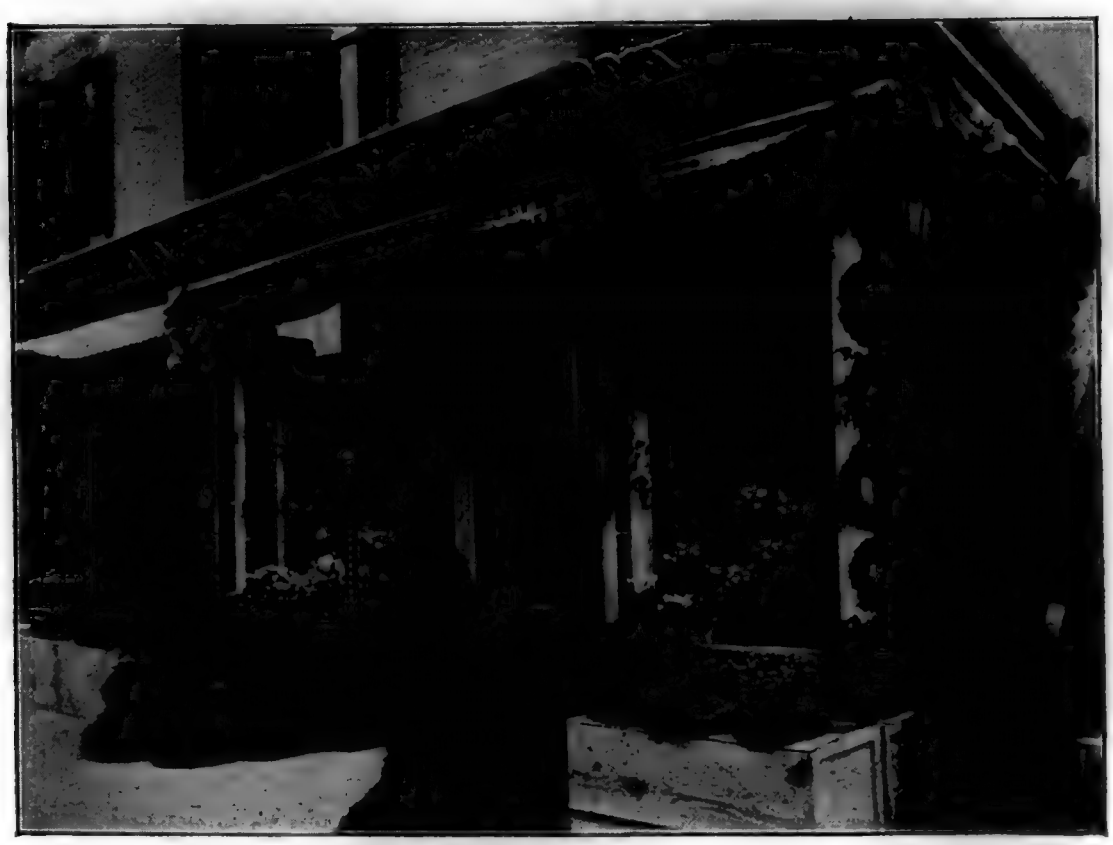
To W. K. Harris' I made my way on the following day and found an establishment that in its simplicity of arrangement, both for heating and working might well be called a model in every respect, while if you would question its efficiency you find a ready answer and evidence incontrovertible in the quality of the stock. Plants, as doubtless most readers know, are the chief production here and they will lose nothing by comparison with the best anywhere else, which is equivalent to saying they are as good as they can be. The stock of pandanus here in all sizes is enormous, numbering many thousands and for all this the market is waiting just as soon as the stock is fit. Pandanus Veitchii in excellent color fills whole houses, another house contains P. utilis in a variety of sizes, whilst P. Forsteriana and P. Kerchoviana I noted in good specimens, both distinct and handsome species that will doubtless become prominent in commercial business later on when obtainable in quantity.

The variegated pineapple is largely grown and brought to a fine degree of color richness beneath those plate glass roofs; and speaking of the plate glass recalls the azaleas flowering beneath it. Whether attributable to the glass or not I never saw before such magnificent Christmas azaleas, the flowers so large and full as though opened in their natural season. There was a grand house of them, the varieties Deutsche Perle, Simon Mardner and Vervaeneana. Mr. Harris is evidently convinced that there is a commercial future for the new Dracæna Sanderiana, at least that appears the only logical conclusion to be drawn from the appearance of several thousands here in healthy growing condition. Dracæna fragrans, too, is quite a specialty, while the sight of rubbers by the thousand leads one to reflect what becomes of them all, and yet they all go as fast as ready.

Otaheite oranges are well done here; a house of them in profuse fruit was being rapidly emptied for filling Christmas orders, and there were others, too; one large house of plants to fruit for next Christmas, a front bench of another house filled entirely with young stock for the Christmas after that. When the "Psalmist" of old wrote "Take no thought for



Hodgson's.



Hanft Bros.

NEW YORK STORES AT CHRISTMAS.

the morrow," etc., the nineteenth century florist was not within the range of his prophetic vision.

Among palms in general special mention must be made of the fine stock of Areca lutescens here in various sizes and the house of Cocos Weddeliana would be hard to beat, the plants so clean and thrifty in appearance. In foliage combinations Mr. Harris is creating some little specialties quite his own and it would be hardly fair to give them away. This refers to the planting together in the same pot two palms of different leaf form or planting little jardinieres with varied foliage, Dracæna Sanderiana showing up prominently for this work, with something taller as a center.

The house of genistas here will certainly render a good account of itself later, while in the cycas house one named siamensis was noted, a beautiful variety deserving of greater popularity. Lilium Harrisii may be mentioned as one of the futures, promising well at present. The system of starting in small pots and shifting on later being practiced with these, but more for economy of space than for any other reason.

Certainly the florist who would take a "course" at Philadelphia, cannot complete it without including a visit to and a close inspection of this establishment, and he may rest assured that a cordial welcome awaits him and all that there is to see is open freely to view. Such at any rate was the pleasant experience of

A. HERRINGTON.

Madison, N. J.

MISCELLANEOUS SEASONABLE HINTS.

The next few weeks will find us very busy, for many things have been cramped for want of space, but now you have it. All lilies should now be in their flowering pots without delay and better if they had been there several weeks sooner.

Metrosideros.

I reminded you some time ago, that metrosideros, the bottle brush plant, should not be kept so cool as azaleas that you are holding back for Easter. Last year I learned this from the best of teachers (experience). I kept a batch of a few dozen very cool till about four weeks before Easter, and then seeing that they showed little inclination to flower, rushed them with a high temperature. It did not do. The flower came out imperfect, irregular and quickly dropped. Keep them now at 50° to 55° at night and they will come along gradually. What matter if a few were too early. It is such a distinct and attractive plant that it will always sell, as the supply is not yet overdone.

Lilacs.

Lilacs for Christmas have never been a success with me, but those brought in now and after this date are always very satisfactory. The earliest want a temperature of 70°, each succeeding lot less as the season advances. We find them useful and profitable if not overdone. A few plants, according to your wants, should be brought in every week.

Geraniums.

One of the greatest jobs we have just now on hand is shifting our geraniums from 2 to 3-inch pots, to remain in those pots until middle of April, and then into their selling pot. I fancy I hear some haughty magnate of the trade say, "How absurd, there is no money in the geranium when all that trouble is taken." That all depends upon what you get for them and what your trade demands. We get at retail $12 per hundred and our customers want and deserve a good plant for that price. We could not sell the stock that is called geraniums which we see in some cities and which unfortunately we sometimes receive from outside firms, the tops of which are useful to make a cutting, the plant being only good to throw away. Always pot geraniums firmly. You can stand them pretty close, as about the first of February you can take the top of the plant off for a cutting and they make a very acceptable plant to sell for bedding purposes when the larger stock is cleared out and this second crop can be sold at a much lower figure, for you have not been half the time growing them.



Thorley's.

Fuchsias.

Fuchsias should be shifted on as fast as ever their roots begin to fill the pots they are in and propagated this month as fast as possible. Those struck after February 1, do not amount to much. Fuchsias like a rich soil; real rotten leaf mould or well decomposed spent hops helps them greatly. With most varieties the only pinching they need is the leading shoot stopped once, and that should be done when they are three or four inches high. Don't keep fuchsias down to 40° or 45° at night, which would be excellent to winter geraniums, but give them 55° with plenty of light and room and water.

Poinsettias.

This season has proved again the great popularity of the poinsettia as a decorative plant. There is no abatement in the demand. You can't call it a good house plant for the parlor or any other room as it soon drops its leaves, but on making that remark to a lady, a few days since, she replied: "Yes, I know, but it's the ideal color for Christmas, don't you know." I would ask you simply at this time what have you done with the plant after the flowers have been cut? Lay them down under a bench, the drier the better, or in a warm shed if you have room. Let them hibernate and remain dust dry until April.

Spiraeas.

If you have no bench room to spare where you can keep up a temperature of 60° you had better bring in the spiræas at once. Sometimes they come slow and it is well to be on the safe side. They are far better when not over forced.

Propagating.

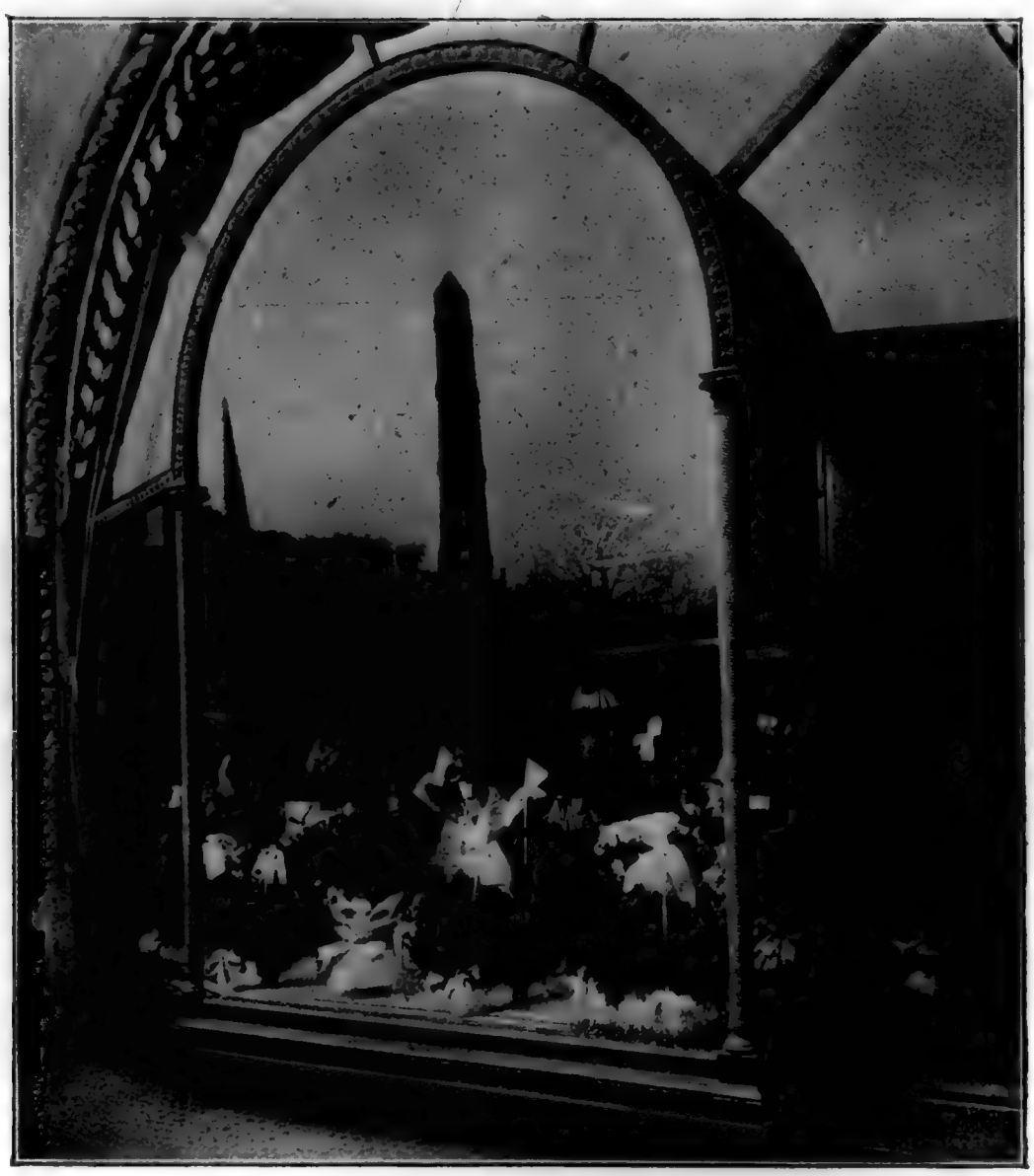
Every inch of your cutting bed should now be occupied. Coleus, heliotrope, feverfew and all that sort of stuff should go in fast now. All these root like weeds, but still it's now when the atmosphere of the house is cool and the sand warm that propagation can be most rapidly and certainly done. Carnations we no longer put into sand warmer than the air of the house. They would root several days sooner if we did, but for the future welfare of the carnation it is not considered best. Nearly all other greenhouse soft wooded stock is most decidedly benefited by the sand being 10° to 15° warmer than the house.

Cutting Bed Fungus.

I am asked occasionally how to prevent the fungus on the surface of sand. One trouble with that is all over, for before every fresh batch of cuttings is put in, the sand is watered with the ammoniacal mixture. I have watered the cuttings with it and noticed not the slightest harm done. The more close, damp and warm your house, the more likely will you be troubled with this minute fungus. It is so minute that if you are not looking for it you will first see a square foot of plant gone off in one night. The growth of this primitive plant must be almost as prodigious as that of the yeast.

A Troublesome Insect.

A troublesome insect pest, which I have been many times going to ask my brother



Fleischman's Window.

NEW YORK STORES AT CHRISTMAS.



McConnell's.



Interior View at McConnell's.

NEW YORK STORES AT CHRISTMAS.

florists if they were afflicted with, is a small green worm which develops from an egg too small to see with the naked eye. When about half an inch long it goes into the chrysalis state and in a few days is flying round in the shape of a small dun colored moth. The moth does no harm, only one unforgivable harm; he reproduces his species. His or her mission is one of fun and idleness, but finds time to deposit that invisible egg and so the cycle of his existence begins again. I have never seen this little brute outside of our unfortunate city, but perhaps it is a scourge elsewhere. The moth comes in through the ventilators in summer time. It is omniverous in its diet and strange to say dearly delights on quite a variety of plants; chrysanthemums, pelargoniums, cinerarias, calceolarias, feverfew, in fact most anything will do. If fodder was short he would eat a cactus, and what is strange they absolutely devour anything but sweet ageratum. They are a pest and a serious one to us. Fumigating and tobacco water have no effect on them. Dusting the under sides of the leaf with hellebore powder will fix them. In putting in a batch of ageratum and mums lately I had the cuttings dipped in a pail of water, about two and one-half gallons, in which two teaspoonfuls of Paris Green had been stirred. It fixed Mr. Worm and his egg, as it will anything that feeds on the surface of the leaf. The worm is the thing to destroy. We have caught thousands of the moths by an ingenious invention composed of a board, fly paper, kerosene oil and a wax candle. But perhaps before this little moth was lured to his death his dire offense had been committed and an egg deposited on the broad surface of a cineraria leaf.

Verbenas.

It will soon be time to sow verbena seed. The demand for this once universally popular plant is with us almost extinct, still we want a thousand or two. If sown early you can stop them once and get them in flower by selling time. Very fine colors can be had from seed purchased from reputable seedsmen.

Cannas.

If you are short of canna roots sow at once. They will make sturdy plants by June 1. They are slow to germinate. Warm, moist sand, will bring them up. Years ago most of the canna seed was imported. Now there is any amount saved here. Cannas come largely true from seed; that is, if Mme. Crozy was not hybridized the seed would produce flowers, ninety per cent. of which would be as good as the parent and similar in every way. Get them started at once.

A Few Words of Advice.

In conclusion, make not only a mental note but make a written memorandum of where you could improve on your Christmas supply of attractive plants. This is what I found: that primroses for Christmas should be sown as soon as you can get the seed ripe in April; that we did not have half enough good azaleas, and that they want to be put into a good brisk heat soon after they arrive in the country, especially Simon Mardner and Vervæneana; that the demand for poinsettias is good and you can find a sale for a lot of them; that the cyclamen is one of the very best selling plants; that good violets in pots would sell well; that the Boston nephrolepis sells well and you need a good supply, another year, that you can sell at from $1 to $3; that palms are yearly growing in favor, and that although you sell a few occasionally at $6 to $10, the great bulk of your stock should be salable at $1.50 to $3. And be sure to make a note of the firm's name who supplied you with a lot of rubbish under the name of *well-berried holly*. My experience with these gentry is, that they will serve you well on the first deal and then when they have you on the string you are imposed upon. Is this human nature? It is of a certain kind; so is housebreaking or telling a dialect story when you can't—both sadly depraved. WM. SCOTT.

CLIANTHUS DAMPIERI.

Clianthus Dampieri appears to be comparatively little known by the florists. I take this means to lay its name before them as it is one of the plants that will gracefully adorn our business in the near future. I remember seeing it but once in this country grown with a degree of success, and this was on a private place of some prominence in Newport, R. I. There I learned it was cultivated for the special purpose of boutonnieres, by the proprietor who had brought the idea

from London. So the prospects are that these flowers will be extensively used in the "city by the sea" amon, the swell set for their personal adornment.

Its brilliant scarlet black-bossed flowers will certainly attract the attention of everyone in town, if put to this use, as it is one of the brightest of leguminous plants and probably the most striking when grown to perfection. It is decidedly a matter of regret that a plant possessing such distinct beauty should be so rarely seen, and then in the majority of cases in poor condition. I attribute this to the delicate and extremely sensitive roots. The slightest check they may get from draughts or non-attendance to their necessary requirements, is sometimes alone sufficient to cause their premature demise.

The plan to follow is to sow the seed where you anticipate the plant should have permanent quarters, either in pots or benches. Sow the seed in soil composed of two parts fibrous loam, the other one comprising leaf mould, manure and sand, drain thoroughly with broken brick, charcoal or any porous material at hand. One of the most satisfactory ways of growing it, is to graft it on its less fastidious congener Clianthus puniceus. This is a simple operation and when grown under these conditions it is enabled to resist the attacks of mildew and insects to which it is subject.

For grafting select a vigorous young plant on which the bark is still fresh, cut off the top to within five inches of the soil and employ the regular wedge method. For the scion take the top of a healthy young plant, or the healthiest you have at the time, and make it the shape of a wedge, then split the stock and insert the graft, paying attention that bark of both scion and stock unites, tie it securely and place it in a close warm house for about fifteen days, then it can be hardened by degrees and put in the temperature of an ordinary greenhouse, where it can be given light and sun. When perfectly united they can be potted or planted in a bench or which ever the occasion may require, as the roots of C. puniceus are not so susceptible to being disturbed as those of its more delicate relative.

F. L. Atkins.

Short Hills, N. J.



Dard's.

NEW YORK STORES AT CHRISTMAS.

CARNATIONS

CARNATION NOTES.

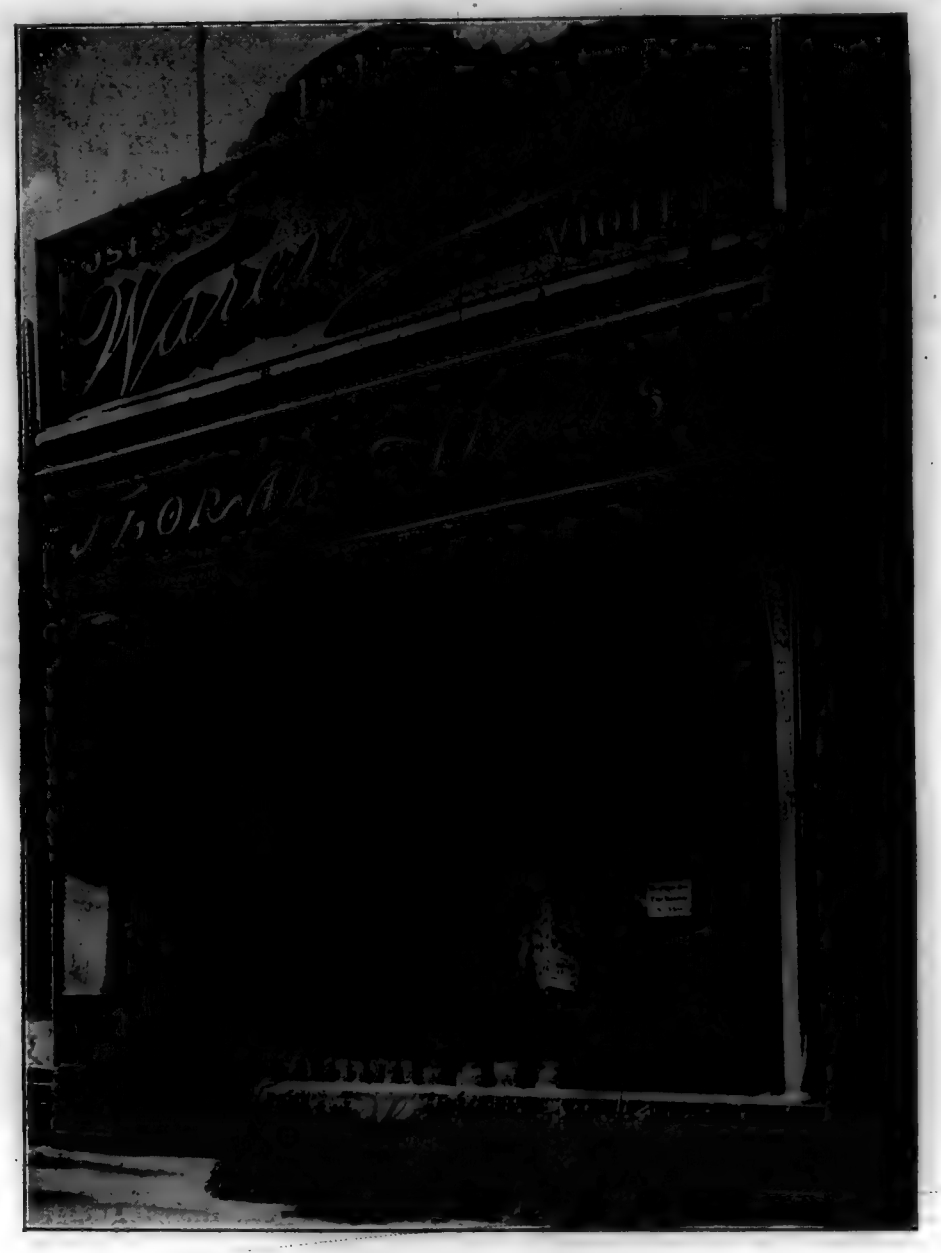
Feeding.

Plants can only grow and make their cultivation remunerative, when they are supplied with sufficient and proper nourishment. Now what is the right kind of nourishment? Here we encounter a very important matter, in which the majority of carnation growers are most deficient in practical knowledge, and this is agricultural chemistry. I am no more a chemist than the next one, all my knowledge being based upon personal experience, and what I hear and read from men that are chemists; and there we meet often with conflicting opinions. A plant should receive nourishment just "what" and "when" it requires it. An over abundance at one time, and starvation at another surely cannot be conducive to health; and again, when the food given is raw and indigestible, or when the compound of the required ingredients is not of proportionate qualities. We know altogether too little in regard to how plants grow, what they need in order to build up their structure, to what extent these elements are present in the soil we use; we work in the dark; all is experiment.

As a natural consequence of our ignorance and the desire to make as few mistakes as possible, we hold on to the stable manure, which is often a very unreliable article, but we have the assurance that though it is not of the expected quality it will do no harm. At any rate we do best to make the stable manure the basis in the preparation of a compound food and add whatever we think the manure may be deficient in. I speak now of feeding as required at the present stage of cultivation, and not of preparing the soil, and this can only be done in two ways: in applying a mulch of nutritious material, which at this time when the plants about cover all the space allotted them is rather a tedious job, and also feeding with liquid manure.

A mulch should consist of well rotted stable manure to which some hen manure may be added, and a liberal sprinkling of bone meal, horn shavings, and wood ashes. Mix this with about one-fourth of soil and lay it on about one and one-half inches deep. Feeding with liquid manure is more easily applied, and can be given whenever the plants are in need of nourishment. In fact, we should not wait for any signs in the appearance of the plants, showing a want of nourishment, but should give it in regular rations, say once a week. And if it could be so arranged that the quantity of liquid given weekly could be mixed with the water that is given in the same period, the best results would be obtained. In giving weekly rations one must be well informed as to the strength of the liquid, and if the plants are in a condition to assimilate that quantity. It would hardly be satisfactory to give an insufficient quantity when with more the results would be better. But there is a limit, and overfeeding may prove disastrous. So to be on the safe side it is best to give liquid manure in a rather weakened, diluted condition, but give it often.

The three principal elements we should aim to give, or rather of what the food should consist in its principal parts are: nitrogen, phosphoric acid and potash. There are other ingredients that the plants will take up from the soil in minor quantity, but these are secondary and are mostly supplied in sufficient quantity with the material that furnishes the principal



Warendorff's Window.

NEW YORK STORES AT CHRISTMAS.

elements. As I have said before, I am no chemist, and will only speak of material that we generally have on hand, and in which we are less liable to make mistakes, as is sometimes the case with the chemical compounds, and the highly concentrated commercial fertilizers.

Nitrogen is supplied in all animal excrements, in horn shavings, night soil and the offals from the slaughter houses, of the latter principally in the form of blood. Phosphoric acid is plentifully supplied in bone black and bone meal. All the other materials mentioned contain phosphates but in smaller quantities than nitrogen; they also contain nitrogen, but in much less quantity. This element is best supplied in wood ashes.

I have already mentioned of what a good mulch should consist. I will only say again that the stable manures should be well decomposed, as the carnation does not like raw food. In regard to liquid it is quite different. There we best use the fresh manures, free from any litter or straw, for when properly handled decomposition is effected so much quicker, and thus we derive all the benefit of the nutritious elements they contain.

To make a good liquid manure, fresh cow droppings should furnish the bulk. It has, in my opinion, always a neutralizing effect upon other stronger manures, when used with it. Of these stronger ones sheep and hen manure are the most desirable, but should be added in small quantities, as should also bone meal and horn shavings. Soot from wood or coal is another material highly recommended to use in the liquid form, as is also dried blood, both being rich in nitrogenous matter. All these ingredients can be used together in the preparation of liquid manure.

I have always used some wood ashes to supply the potash, but in a recent conversation I had with Professor Huston, State Chemist of Indiana and Professor of Agricultural Chemistry at the Experimental Station at Lafayette, in relation to the preparation of liquid manure he cautioned me about using wood ashes. He said that wood ashes will set free ammonia, which would be a direct loss, and, further, it may bring free ammonia in contact with the roots, which might cause injury. In place of wood ashes, to supply the potash, he recommended sulphate of potassium, which furthermore has the property to bind the ammonia. In place of using one-fourth of a bushel of wood ashes he recommended using one-fortieth of the sulphate of potassium. So far I have not found any bad effects, but if that theory is correct, which it undoubtedly is, I have weakened my liquid manure in nitrogen considerably. I will heed the warning and supply my wood ashes in another way; I have much faith in it, for in my experience it strengthens the stem and gives the flowers a brighter and more brilliant color.

At our place liquid manure is the main fertilizer. We have two good sized tanks in which we prepare it and have the houses piped to supply them, by a force pump at the tanks. We apply it on the benches in the same manner as we do water, and use about the same quantity as water; it always answers for a watering. The first material used should stand for about two weeks before being used; it should be thinned with water and stirred up frequently. When ready, fill up the tank, let it settle, and use the clear liquid from the top. After that, new material in small quantities can be added from time to time as the liquid is wanted, to keep it up to the same consistency; and some of the old removed so the mass will not become too cumbersome to handle. The stuff we take out is thrown over the ground pile and made use of in this way. It is essential that the tank should be in a warm place, or fixed in any way so the contents can be kept quite warm, in order to hasten the decomposition. Nitrate of soda is often mentioned as a good fertilizer for carnations. I have never made much use of it so far, but suppose it could be well mixed in with the liquid. From time to time I use some common salt in the clear liquid, as in small quantities it is considered beneficial, in large quantities is injurious.

This is our mode of operation and the materials which we employ for feeding. The selection of food is yet a very much undeveloped part of our work, for lack of practical knowledge in agricultural chemistry. I may be wrong in some of my views, and if so, will thankfully stand correction. FRED DORNER.

THE NEWER CARNATIONS.

By Albert M. Herr, Secretary American Carnation Society, Lancaster, Pa.

[Read before the Florists' Club, Philadelphia, January 4, 1898.]

There are so many of the newer carnations that it is hard to talk about them without making a descriptive catalogue out of your talk. So if there are too many names and too much descriptive matter blame it on the originators.

In the first place, from a cut flower grower's point of view, there are too many new carnations. If the number could be reduced to say four each season, there would be more in it for everyone concerned. As it now stands the general grower simply cannot afford to try them all, and the consequence is, very often he does not try any. This is a loss both to the originator and to the grower. It limits the sales for the respective originators and causes them an extra expense in the matter of advertising, etc., to get their carnations before the growers. The grower frequently misses a very good

thing, and only takes hold after the variety has become common and the bottom dropped out of the profit, so to speak. But like the poor we will have them with us always, and the best thing we can do is to *try all* we can, and *gather* from the experience of others *what* we can; then put the two together and make up our list for growing next season.

Among the newer whites, we have Flora Hill, Harrison's White, and Nivea. Flora Hill has had its praises sounded everywhere and needs none of mine. Nivea is doing all right around Boston. It is a weak grower in the field, but comes all right when planted in the house. Harrison's White was unfortunate in coming out with Flora Hill, the latter so far eclipsing it in all commercial respects. Nevertheless it has some good points. With me it is a fine, upright grower, producing fairly good flowers on long stiff stems, but it has not made from 1,000 plants $10 worth of flowers to date, and this is certainly a serious drawback. I have it in the cool end of a house. Possibly it may do better in some places, but I have received out of numerous inquiries sent out only two answers from men who will give it a second trial.

In fancy, we have Lily Dean, a variety that is very easily grown and produces a fine large flower. Mrs. Bradt, almost everyone knows, has an immense fine bloom on a very weak stem which has improved greatly this season, grown in a stiff clay soil. In a moderately cool house, I am inclined to think, it will make a standard sort. Maud Dean might be called a fancy, but I am afraid it will not become popular on account of its being hard to handle just right; but if handled right it is a fine sort. It should be planted as early in August as possible, and being a decided cropper you should have two or three lots and keep them topped so as to follow each other. By this method a continuous crop can be obtained. In scarlets, there are a number, Robin Hood, Jahn's Scarlet and Morello. Robin Hood is a seedling of Hill's and has made a good showing although it has to be grown carefully to produce strong stems. Jahn's Scarlet is called the "Poor Man's Scarlet." It was raised and introduced by P. Fisher. It is a free bloomer of fairly good size on a fine strong stem. It is an excellent keeper, and slightly fragrant.

Morello makes very large flowers in heavy soil, and slightly smaller ones, but more of them in a lighter soil. It has made many friends in the west. Mrs. McBurney, one of Hill's, is somewhat of a disappointment as to color, otherwise it is a good variety, being free and healthy. Mayor Pingree is, perhaps, one of the best of last season's introductions. To get the best results, the cuttings should be taken early and grown right along so as to produce good, large plants. It does not want much pinching if you want early and continuous flowers. It likes a heavy soil and a few more degrees of heat than Daybreak, but will produce almost equally well in light soils. C. A. Dana, sent out by Cottage Gardens, I have not been able to see growing, but I understand it is a good variety.

Possibly there are others worthy of mention, but I have been a bit pushed with work and have not had time to look up the back trade papers for their names. The same applies to the new ones for this season. We are promised two good scarlets, one Bon Ton, to be sent out by the Cottage Gardens, and F. A. Blake. It is of Portia habit, with larger flower and stronger stem; this would indicate a good variety. Firefly, by Hancock, is promised as a perfectly rust proof and otherwise good variety. This will be a welcome addition to those who are so afraid of the rust in Jubilee.

In whites there are four clamoring far popular favor. White Cloud, called a white Daybreak because of its resemblance to that variety in foliage and strength of stem; John Young, called a white Scott for the same reasons; Jack Frost is claimed by its originator to be an ideal white. Photographs of these three varieties, or rather houses of them, are here and can be seen at the secretary's desk. Evelina, the winner of the Cottage Garden cup at the last meeting of the American Carnation society held in Cincinnati, and seen by a number of us then, was certainly a fine variety. I am told it is even better this season, and that would indicate that it was a good one to try.

Mrs. James Dean, a very light pink of good commercial qualities, and New York, a cerise pink that has captured the popular taste in the New York market, are photographed and here for your inspection. The Messrs. Breitmeyers', Simmons' and others are pushing forward pink varieties. They will no doubt all be in evidence at our Chicago meeting and reviewed by the trade papers, so as I have not seen them, will have that for later on. One that I have seen plant and flower of is Empress, a crimson, and as we are badly in need of a good one in this color, it will no doubt hit the popular fancy all right. Gold Nugget promises to be one of the gems of the season from all indications, and there is certainly room for a few "Gold Nuggets" among carnation growers.

There are a host clamoring for favor with the growers and a lot of originators reaching for their money. We hope both the growers and the originators will come out ahead for 1898, for it is not questioned that the majority need a little good luck, good times, or whatever vou may choose to call success. Taken all in all, the new carnations are fascinating, both to the introducers and to the general public, and certainly to the grower. The buying public are beginning to look for something new each year, and we can do no better than cater to their tastes, but let us be sure first that they are an improvement over existing varieties, and then try and test them thoroughly before sending them out. In this way there would be fewer disappointments and more successes, and the extra care would redound to the introducers' credit and consequent success and to the growers' finances. But even as it now is the few successes are so distinctly such that they overbalance the failures, and so the merry war goes on.

OUR GENERAL INTRODUCTION.
No. 4.

Every subscriber is requested to send his photograph for use in our general introduction, but please do not send us photos that must be returned, as we have to cut them in arranging in the groups.

96. W. H. Elliott, Brighton, Mass.
97. J. L. Dillon, Bloomsburg, Pa.
98. Wm. Weber, of H. Weber & Sons, Oakland, Md.
99. L. C. Bobbink, Rutherford, N. J.
100. E. C. Amling, Chicago.
101. Anton Schultheis, College Point, N. Y.
102. Fred. Dorner, Sr., Lafayette, Ind.
103. Antoine Wintzer, West Grove, Pa.
104. Wm. Plumb, Throgg's Neck, New York City.
105. E. Hippard, Youngstown, O.
106. John Gormley, with E. Wienhoeber, Chicago.
107. Geo. D. Clark, of H. A. Dreer, Philadelphia.
108. E. M. Harwood, Shelbyville, Ill.
109. Gustav Decker, with Garfield Park Floral Co., Chicago.
110. Geo. A. Steele, Little Silver, N. J.
111. Philip Heilig, Franklin, Pa.
112. Dennis F. Hallahan, of McGee, Geary & Co., Salem, Mass.
113. Jno. E. Geary, of McGee, Geary & Co., Salem, Mass.
114. Wm. J. McGee, of McGee, Geary & Co., Salem, Mass.
115. Jeff. McDonald, of McDonald & Steele, Crawfordsville, Ind.
116. Geo. W. Steele, of McDonald & Steele, Crawfordsville, Ind.
117. John Young, New York.
118. H. W. Harris, of C. A. Harris & Co., Delanson, N. Y.
119. Edw. G. Reimers, Louisville, Ky.
120. W. A. Hammond, Richmond, Va.
121. E. J. Springer, New Hampton, Iowa.
122. W. J. Hesser, Plattsmouth, Neb.
123. L. I. May, St. Paul, Minn.
124. W. A. Chalfant, Springfield, Mo.
125. C. Edward Akehurst, White Marsh, Baltimore County, Md.
126. Aug. F. Vogt, of Vogt Bros., St. Paul, Minn.
127. A. Rasmussen, New Albany, Ind.
128. Mrs. L. Lotz, Watertown, Wis.
129. Wm. J. Stuebe, manager of Mrs. Lotz's greenhouses, Ixonia, Wis.
130. Henry Hulick, Eatontown, N. J.
131. W. Greene, Davenport, Iowa.

We have received from W. P. Simmons & Co., Geneva, O., a copy of their plant list, in which appears a full description of their new pink carnation, Mrs. S. A. Northway, and a host of new geraniums, in addition to fuchsias and miscellaneous plants. The carnation offered is certainly entitled to full consideration, coming as it does from the originators of such sorts as Daybreak, Rose Queen, Tidal Wave, Silver Spray, etc.

Messrs. Crabb & Hunter, Grand Rapids, Mich., have named their pink seedling carnation "Irene." This is the one we recently noted at one of the Chicago wholesale cut flower houses. The originators advise us that the variety is rust proof and a free bloomer with only ordinary care, every shoot producing a flower.



OUR GENERAL INTRODUCTION. No. 4.

TO SUCCEED THE RATS.

W. H. I. sends the following: "Rats having undermined my smilax bed so my whole crop was destroyed before I knew the cause, intend throwing it out; what would be the most profitable thing to plant in seed or bulb, shrub or vine, to bring blooms for Easter? The bed is solid, pipes running on each side and end of bed, and as flowers are much more in demand at Easter than green stuff, I would like to know which or what will be most profitable to force for Easter?"

What you could make a profitable crop for Easter in place of your smilax, would depend quite a little on how much space you want to fill up and your market. It is too late to buy lily bulbs and expect them to flower at Easter. You could still get dormant lilac and bring them in flower, but they would need only four or five weeks of your house and there is not always a market for a large quantity of same. Spiræa roots can be bought, potted and started going and would be just right. If you know where to get some real good dormant roses of the leading hybrid perpetual sorts, pot them and keep them quite cool till early in February, then give them the smilax house. You would expect and get a good many roses. But it is late for that and to be satisfactory roses should be well rooted in their pots before now. If it were my predicament and I did not have stock of plants to spread out, I should buy a lot of 2-inch geraniums, or a month later a lot of canna roots (dormant). *At once* I would buy as many thousand Boston Market lettuce plants as would fill the bed, six inches apart. They would be cut and sold at Easter, and then you could give a fine place to your plants. But as soon as I had written for the lettuce I should catch the rats. WM. SCOTT.

MOSS ON SURFACE OF THE SOIL.

During the late fall and early winter months we have a great deal of trouble with a kind of green, scum-like moss that gathers on the top of the soil in the pots to such an extent as to sometimes entirely choke out the plant. What causes this moss to grow so plenteously and what can we do to prevent it? Do not think it can be from over-watering for we have been particularly careful about that. Of course the moss can be kept down by handling over every plant and taking it off with a stick but that is quite expensive when there are several hundred thousand plants to go over. We have been recommended to use a small amount of ammonia in the water when watering the plants. Did anyone ever try that and what proportion of ammonia can be used without injuring the plant? Roses and clematis, 2½-inch stock, are what we have especially in mind. Are there any other remedies that could be used to advantage? G. C. P.

There are many species of these so-called mosses or small cryptoganic plants which are often seen to take possession of the whole surface of the soil. Unlike most of the fungi, which delight in a warm temperature, they are often most troublesome in a cool house. If the roots of a plant are inactive, such as the clematis and H. P. roses would be with a rather low temperature, would be just where you would find them most troublesome. Many a day has been spent by the writer in stirring up the soil to get rid of these mosses, yet I have seen many healthy plants exist, such as camellias, with the surface of the soil green with these primitive plants. I have never seen any method used to get rid of them but stirring up the surface and removing it. It is probable that what would destroy the moss and their spores would be injurious to the roots of your plants; what would kill the moss would most assuredly hurt the plants, but I should not be afraid to try a watering of the ammoniacal mixture. After all the visible parts of the moss were removed it might destroy the spores, and one watering will certainly not hurt the roses, etc., if not used too strong. Formula: two quarts liquid ammonia into which dissolve one lb. sulphate of copper; use one pint of this in thirty gallons of water.

WM. SCOTT.

TEMPERATURE FOR LILIES.

We have some longiflorums, 6 to 8-inch bulbs which were planted in 4-inch pots, and now full of roots, and some 7 to 9-inch which were planted in 4½-inch pots, now showing a growth of from four to five inches. It is our intention to repot them into 5 and 6-inch pots and we would like to know about what temperature to keep them in in order to bring them into bloom for Easter. ST. PAUL.

I should advise inquirer to have the lilies shifted into their flowering pots as soon as possible. There may be no need of shifting till the roots have pretty well filled up the small pot, but I am sure they should be shifted before any of the roots perish through crowding or want of sustenance. This starting lilies in 4-inch and later shifting into 6 or 7-inch pots is new with some of us, but I have tried it on a couple of thousand seven to nine-inch Bermudas this winter and the result is fine. Those shifted six weeks ago show not the slightest effect of the change, only an increase of vigor in every way. Easter is April 10. By the time you read these lines it will be little more than twelve weeks. If they were a foot high it would be better. You should keep them in at least 55° at night, with 15° to 20° higher in day time, with all the light you can give them. I say light, because they will certainly stand more forcing with plenty of light than if in a shaded house. Be on the safe side; rush them along, you have no days to spare.

WM. SCOTT.

LILIES NOT STARTING.

Seven or eight years ago it was usual to see a batch of lilies start and come away all about even, but that day is past. If "E. B. B." has two hundred and sixty out of three hundred that are growing well and free of disease he is doing well and will lose a smaller percentage than many growers. The bulbs that have not started are not necessarily diseased. They will start later. Why they don't, if they are sound, is a mystery, but these mysteries are occurring in the vegetable and animal kingdom all around us. Have patience. The humble lily bulb has an individuality as well as a whale. It will get a move on it some day soon.

WM. SCOTT.

BALTIMORE.

Trade During the Holidays.

With the fury of a cyclone the Christmas rush struck the florists the early part of the week, and until late Saturday afternoon they were in a continual whirl, the season proving for them a busier one than has been experienced in our city for years. If work were the sign of financial prosperity there would be lots of our craft at this moment on the retired list. Unfortunately for us though, the word work more often implies worry than it does remuneration, and such is the case this time, for we are still all in active service with this happy day of retirement yet in the far distance.

The week opened with a complete change of temperature and continued cold throughout, the mercury dropping from the fifties to ten degrees. A light fall of snow also came at an opportune time to make things look seasonable and put life into trade. The frost, however, played havoc with stuff that was any way carelessly packed. Box after box arrived from the express companies' charge in a frozen state, either from being poorly packed or remaining too long en route. The wrapping of local deliveries was another important detail which consumed much valuable time and made extra labor for all parties concerned.

Scarcity of Stock.

Good stuff in general proved locally to be very scarce and judging from the quality of stock shipped from other cities it was not confined to our locality alone. Beauties were more than scarce for the supply was by no means equal to the demand. Roses of a more reasonable class were procurable. Several days before Christmas prices went up to the top notch, but on Christmas eve the stored stuff arrived as usual, causing a slight drop on violets and carnations only. Most of the growers disposed of their prospective crops a week or so before Christmas at best prices; consequently the retailers were compelled to sell also at top notch in order to get even.

As our wholesale rates ranged about the same as our neighbors of Washington and Philadelphia it is useless to repeat quotations. As stated above, the Christmas trade was exceptionally good in spite of the public's protest against paying $4 and $5 per dozen for roses and $3 and $4 per hundred for violets.

Meeting of Gardeners' Club.

Very little of importance occurred at the Gardeners' Club meeting, Monday, Dec. 27th. The attendance was very slim, as the majority of the boys hadn't

gotten over the Christmas fatigue. The executive committee reported a scheme for holding a show next November, which was received and laid over until next meeting night, when a final vote upon the subject will be taken. The committee recommended that the Fifth Regiment Armory Hall or the Cyclorama Building be secured, and to tax each member in order to guarantee all expenses, and if the show be a financial success the said tax to be refunded. Also to interest all prominent officials; such as governor, mayor, senators and their wives, etc., at the same time making liberal friendships with the press.

After the Christmas "rush" the New Year's trade seems too insignificant to mention. Will say, however, the holiday week proved an exceptionally good one and there is no cause to complain.

C. F. F.

WASHINGTON.

New Year's Trade Quiet.

A few years ago the trade on New Year's day was considered a close rival to Christmas. It has been dropping off each year until now very little is done out of the ordinary. That delightful old custom of calling on friends the first of the new year and claiming a continuance of the existing friendship for the coming year is fast dying out in Washington and the demand for flowers for the occasion passes with it.

The death in the President's family may have had something to do with the present year, there being few receptions, the high officials not receiving out of respect to the President. It certainly has not kept pace with that of the last one. Three or four new stores have opened during the holidays. We wish them all success.

Prices remain firm, quality fairly good, but quantity—short, especially carnations and violets. Bulbous stuff is making its appearance in limited quantities. The growers are no longer seen with long and anxious faces. That long looked for and indispensable sunlight is with us again, and trust this time he will tarry as long as he can.

A large and enthusiastic meeting was held by the Commercial Florists' Association of the District of Columbia, last week, to take action in regard to the recent letter of the Secretary of War declining to discontinue the free distribution of cut flowers. The florists are determined to stop the distribution by the government even though it becomes necessary to go to Congress.

A number of committees made reports as to the status of the work of preparing and sending out petitions and of the plan of interesting the business men of the city in the movement. We claim that if the immense amount of money which is annually appropriated by Congress for the care and adornment of the parks and reservations was put to its proper use, there would be no necessity for the beds ever being without flowers or evergreens of some sort, even during the winter months. We claim that owing to the space consumed by the flowers which are now being grown by the government, they do not devote the time or attention to the propagation of plants suitable for out door decoration, and that instead of having only one growth in the parks, they should be kept green at all times.

Before the Board of Trade.

According to advices received by the florists the Board of Trade committee on public parks and reservations will take the matter up and it is believed will recommend that the present method of having the beds bare during three or four months of the year be done away with and hardy specimens be grown for the winter use. Owing to the offer of the florists of the city to raise the wages of their employes from ten to twenty-five per cent., if the free distribution was stopped, it is probable that a committee will be sent to lay the case before the various labor organizations of the city for action.

The Appropriation Committee of the House and Senate as well as the District of Columbia Committee will have the matter brought to its attention, and the florists are confident that when once the matter is properly presented the sense of fair play will result in legislation which will cause a discontinuance of the practice.

Our answer to the allegations of the government officials that the flowers are mostly distributed among the various hospitals that we will furnish flowers for them free of charge. We are now doing this and daily send more than the government. We have received definite information that the hospitals receive a small proportion of the flowers, and of one hospital it was stated that the government supplied with flowers, has not received any in months, but has depended upon the bounty of the florists almost entirely.

Letter to Secretary Alger.

Believing that the Secretary of War did not give as careful consideration to the last letter as it demanded, the following was sent to Secretary Alger at the last meeting:

"At the regular meeting of the Commercial Florists' Association of the District of Columbia a committee was appointed to answer your letter addressed to N. Studer and other florists, complaining of the free distribution of flowers and other products of the nurseries and greenhouses of the government. We beg to express our regret that you should deem it inadvisable to give the subject under consideration your personal attention, or at least refer the matter to a disinterested party for consideration and report.

"It could hardly be expected that either the Chief of Engineers, lately Superintendent of Public Buildings and Grounds, or the present Superintendent of Public Buildings and Grounds would condemn their own actions, and therefore we are not surprised to receive a practical copy of a letter written first by Gen. John A. Wilson, Lieut. Sewall and Col. Bingham, respectively, several months ago, all of which seemed to have been inspired from the same source, and which in no wise answers the criticisms offered by the florists of Washington.

"We insist that very large sums of money are being diverted from their legitimate purposes, viz., the decoration of parks and public reservations, and are being used for the production of flowers which, under no circumstances, can be used for the adornment of public reservations, but instead are distributed to a favored class greatly to the detriment of the said reservations, which are shamefully neglected, considering the enormous sum appropriated, this greatly to our detriment as citizens and business men.

"We insist that if the money be legitimately expended the various parks and reservations can be kept in a very much higher state of beauty and that such being the case all citizens of the District of Columbia and of the United States visiting here would share equally in the enjoyment of such improvement and adornment. Believing that this subject deserves more respectful and considerate treatment than has thus far been accorded it, we again ask you to give the matter the earnest consideration it so richly deserves.

"If it is your pleasure we should be glad to appoint a committee to personally present our side of the case to you, believing that we can throw new light on the subject and enable you to see the matter from a different point of view. In conjunction with our protest we respectfully call your attention to the following law which stands unrepealed:"

"Provided that hereafter only such trees, shrubs, and plants shall be propagated at the greenhouses and nurseries as are suitable for planting in the public reservations, to which purpose only the products of said nurseries and greenhouses shall be applied."

The letter was signed by the president of the association.

Correction.

In the last issue of the *Florists' Exchange* mention was made by the Washington correspondent of a contract for supplying part of the plants for the Agricultural department, which had been awarded to a local grower, to be paid for out of the appropriation for seeds, cuttings, plants and bulbs.

I would like to say that there is no appropriation for the purchase of plants for free distribution, but they were paid for out of the appropriation for "Purchase and distribution of valuable seeds," and that the grower was successful in honest competition with six others and is one of the men now fighting against the free distribution of flowers and plants.

W. H. K.

SIGOURNEY, IA.—Mr. Henry Schroeder, of this city, is chairman of the ways and means committee of the Southeastern Iowa Horticultural Society, which recently had a meeting at Ottumwa. Mr. Schroeder is one of the best informed men in the State in nursery matters.

BUFFALO.

Christmas and New Year's Trade.

I am somewhat behind "the push" with our report of that great event, the Christmas trade, but I have the advantage that there has been time to digest the several reports both local and outside. The writer was laid low with overexertion wrapping up plants, the continual waving of heavy sheets of paper causing a draught, hence the trouble. Like all northern cities, we had it decidedly cold. It was seasonable, but too much so for our health or temper, yet it was expected and prepared for, and such was the precaution taken that I have yet to hear of a complaint about frozen plants or flowers. A box of flowers is a simple thing to deliver and little excuse for not being delivered in good shape, but how different with a lily, an azalea, or a poinsettia. Is there any other kind of merchandise so hard and difficult to reach its destination in good order? A new bonnet, a box of candy, a turkey, or a "celebration" carried round won't be injured in zero weather, but not so with our more than tender products. However, it is far better for all concerned that we should have the cold now and fine weather at Easter.

It is certain that the bulk of the business done was in excess of any previous year. If there are a few who can say, "I did not do quite so well as last year," it must be because they did not have the facilities or the supply to do the business. A factor which helped to make the volume of business large was a revival of large parties, many more of these than there has been in a number of years, which is some evidence that a certain class at least are "feeling better" and more able to be luxurious and extravagant, which is an excellent way of dispensing charity.

Stock.

Our prices were about the same as other cities of our size. Very few Beauties were handled, but the staple varieties of roses were of excellent quality and brought $4 per dozen. Carnations were good and people did not kick at $1. Those that did kick went without, as a poor florist's wife (especially a provincial one) has to go without a sealskin sack. The price of violets had scared off prospective buyers and at the last moment plenty were to be had. Romans and narcissus filled their respective places and so did the graceful stevia. Tulips were conspicuous by their absence. All the cut Bermuda lilies and poinsettias were eagerly picked up. They were in demand for churches and parties and there was not enough to go around.

Large Demand for Plants.

There was here, as I notice in the eastern metropolis, (there must now be a western) a still greater increase in the demand for plants. It is, I am sure, now the heaviest and most important part of the holiday trade. One firm may say no to this assertion, but others will say yes. It was not an isolated case for a swell matron to walk in and leave from fifteen to twenty cards each to be accompanied with a nice plant for as many different friends. Our selection (of plants not friends), that makes it particularly agreeable.

I am sorry to say we had no novelties which seem so much desired in some quarters. Our patrons had to be satisfied with the same old things and there was not near enough of them to go around. I would rank the azalea of first importance as a plant for a gift, then a high class cyclamen, then come poinsettias, lilies, begonias, pans of narcissus and primroses. Ferns sold well, especially pans or pots of Nephrolepis Bostoniensis and the still more handsome N. d. furcans.

More and still more do the people get aware of the fact that a palm is a most satisfactory present for your wife or somebody else's wife, and at present it is ninety-nine out of every hundred sold that is K. Belmoreana or Forsteriana; the other one can be whatever you choose. People will get a little tired of this. Great as is the adaptability of the kentias for the dry air of the sitting room there is another genus of palms still "tougher." The beautiful Phoenix rupicola and leonensis will distance them as a plant, putting up with all kinds of unfavorable conditions. There was marked evidence that the great majority of the buyers want a palm or dracæna for $2 to $2.50. When you mention $5, there is a cool feeling arises across the counter.

Christmas Greens.

There was little or no peddling of holly and greens on our streets and not as much sent in to commission men, so it was well cleaned up. There was some good holly and some wretchedly bad. One man who sent us fifty cases should be made to repose on a bed of his holly for the next thirty days with nothing between the epidermis and his holly. The wild smilax has been largely used for extensive decorations. In its place it makes wreathing of ground pine, holly or laurel look very homely. I might add that few or no chrysanthemums were seen nor wanted. They have had their season. They may do for small democratic cities, but they won't do for the former home of "Grove" Cleveland.

Politics Help the Florist.

In the interval between Christmas and New Years you always seem dull, like the reaction that takes place when the curtain goes down at the end of an intensely exciting act. Even if you have a large sized decoration or two during the interim, it is only the orchestra playing and you want to go out and see a man and return in time to see the curtain rise for the conclusion of the play, which in this floral drama is New Years. All know what a quiet time is New Years now-a-days compared to what it once was, and this one was no exception in a general way. What helped out wonderfully with some of us was the initiation and installation into political office of several successful candidates. A republican mayor stepped down and out and a democratic mayor marched in and when he had done shaking hands with those who had helped elect him, and those who expect a job, he had time to notice beautiful baskets and bunches of flowers, handsome palms, scattered here and there but all eclipsed by a magnificent floral horseshoe. Lesser lights than the mayor were not forgotten and at the organization of the board of aldermen many of them had their countenances set off with radiance from the reflection of pink and red roses. Never mind if the radiance was mostly confined to their nose, it is all good and proper. The purity of the flowers may remind them of the purity of their campaign promises to their constituents.

We are now starting a new year. To many of us it must cause reflection, for we are a mile stone nearer that not far distant end. Let us be optimistic in our vision. We have lived and mostly lived well, and if we really love our business, especially the growing, we must and cannot but improve our body and soul.

Visitors.

The writer has been unable to visit his brother florists, and brother florists are mostly too busy to be making calls just yet, but during one of the days just before New Years a message was received that Mr. Dailledouze was below. I slid down stairs and there was Paul Dailledouze and Mr. D. T. Mellis, both of Flatbush. They had taken a thirty-six hour vacation to inspect Niagara with ice attachment. Paul looked as fresh and plump as a Flora Hill Carnation and D. Y. M. was as well dressed and beaming as Chauncey M. Depew. "How was the business with you?" They both raised their eyes to the ceiling and exclaimed "wonderful," and pronounced it with a solemn heartfelt expression; so no doubt it was, and their manner and appearance indicated that they were at peace with all men, including themselves.

A Story.

If you have room, Mr. Mellis told me a short story of Niagara which shows how different some men view this wonderful work of nature. Mr. Mellis was standing at the foot of the American falls, gazing at the stupendous sheet of water 170 feet in height, when a corpulent, red-faced man, at his side, also gazing up, remarked "What a pity to see so much going to waste." Mr. Mellis politely said "Excuse me, sir, I presume you are an hydraulic engineer." "No, sir," replied the man, "I am a Philadelphia milkman."

W. S.

INDIANAPOLIS.

Scarcity of Stock.

Another Christmas holiday has passed and with it the usual troubles to the retail florist. This time good stock was very scarce, not one-third enough to go around. American Beauties and violets were flowers mostly called for but very short was the supply. Consequently, the first rush took them all away, what was left of those saved to fill the principal orders, which were more than usual for these two items. The quality of other roses shipped to this market was in some instances beyond recall, weak stems, off

color and malformed buds were the principal faults with roses. However, some good stock was cut around this city. Long stemmed Beauties were of excellent color, but supply short.

Carnations were in great demand and good long stemmed flowers were taken up in a hurry. The supply of these flowers was also very short. It seemed like all crops were off. It was the weather, however, which did the mischief all around. Carnations seem to be a general favorite these holidays. The flowers were good and color excellent; prices obtained were a shade higher than formerly. It seems customers are taking more kindly to good carnations than to inferior roses at unreasonable prices.

Some chrysanthemums of the late varieties commanded a fair price but only the best flowers could be sold. Choice boxes of flowers were ordered extensively.

Flowering Plants in Evidence.

Combination baskets of plants, blooming and foliage, some studded with cut blooms, sold well, also combination flat pots of bulbous flowers, primroses, etc. Azaleas, cyclamens and other blooming plants, sold better than ever. The weather for a few days was rather severe and probably kept intending purchasers away in the beginning of the week, but fortunately the weather turned warmer Friday, however, cold enough yet to compel wrapping plants and packages very carefully. Blooming plants had the lead over foliage plants so far this season.

Christmas Greens.

The Christmas green business is now out of the hands of the florists and nearly exclusively in the hands of the seed houses, who have in many instances sold their goods cheaper at retail than to their wholesale customers. Lycopodium wreathing and laurel were used lavishly through the business section of the city. Much holly was disposed of and Christmas trees were hauled away by the wagon loads after Christmas, showing an overstock in that line. Altogether, from careful inquiries made, the Christmas season of 1897 was satisfactory, and if good stock had been more plentiful would have surpassed any former holiday season.

Meeting of Florist Club—Election.

The December meeting of the Indianapolis florists was held at Huntington's seed store, December 6. It was very well attended, it being election night and also the annual chrysanthemum show question was expected to come up for discussion.

The annual election resulted as follows: Robert McKeand, president; John Heidenreich, vice-president; Fred. Huckreide, secretary and treasurer. Two new members were enrolled.

Discussion.

The chrysanthemum show discussion brought to surface some curious ideas, as to how the annual show could be made a success. The whole matter was placed in the hands of a committee, this committee to call on the Commercial Club and the principal merchants regarding the assistance that they could give our cause. After the consultation they will report to the state meeting which will be held in the State House some time in January.

Mr. E. G. Hill, of Richmond, and Mr. J. S. Stuart, of Anderson, were visitors in the city to consult the local florists as to the business of next year's exhibition.

After the meeting, the usual refreshments were served by the courtesy of Messrs. Huntington & Page. The club can be congratulated on its growing and lively existence.

Various Changes.

Mr. John Thornton, formerly with Stuart & Haugh, Anderson, Ind., is now with the Poole Bros. (formerly Bernie Pohl). He has taken an interest in the business and we are sure he will bring the place to a paying condition. It shows already great improvement.

Mrs. S. F. Detray, Pendleton, Ind., is a new addition to the florist business.

Mr. Fred. Ostertag, of St. Louis, for a short time running a flower counter in Huder's drug store, corner Washington and Pennsylvania streets, moved away from the city before we got well acquainted with him. Very likely the low prices ruling in this city did not compare favorably with the good St. Louis prices.

Kelley & Cornelli, the partnership formed some time ago, are parted, Mr. Ed. Cornelli continuing the business. Mr. Cornelli reports holiday business satisfactory. He is now near his old location of the eighties, and very likely his old customers will hunt him up.

W. B.

NEW YORK.

Retail Trade.

Borough of Manhattan, Greater New York, is now our address though you can still address us to the Knickerbocker city. It was heralded in with considerable ceremony and the florists are reaping a little harvest from the tokens of affection sent from the admiring politicians to the mayor down to the porter at the door. Over one hundred pieces have been sent including horseshoes galore, Brooklyn bridges, baskets, stars, hearts and even the territory of Greater New York mapped out in flowers; a Tammany tiger "worked out" in black and yellow immortelles was also one of the "pieces de resistance." Truly it is an ill wind that blows nobody good. The advent of Tammany is heralded by the florists without exception, as all say that "reform" has not been a "means of grace"

The usual reaction has set in after the Christmas and New Year's business. New Years was quite an improvement over last year. However, in spite of the elements, dinners and social affairs, "debutantes" and a few weddings are helping out considerably and prospects are brightening perceptibly.

The Wholesale Trade.

One of the worst days this winter arrived the day before New Years and knocked all calculations out entirely. In spite of the weather stock was cleaned up fairly well; prices ruled only about half as much for rose stock as they were at Christmas. A few Von Sions are making their appearance in the market and realize $6 per 100, also a few red Duc Van Thuyll tulips that sell for $5.

C. W. Ward is sending in some fine fancy carnations these days.

Seed and Bulb Trade.

I called on several in the trade with regard to the outlook for the seed business the coming season.

WILLIAM ELLIOTT & SONS said: "It is hard to tell about the future of the seed trade at this time, although we think the prospects are brighter than this time last year. Prices will rule a trifle lower, however, owing to competition."

J. M. THORBURN & Co.: "Business is problematic at this date. There has been no advance in prices so far, and there is a full supply of most crops."

WEEBER & DON: "Outlook for seed trade is good but prices in general stock do not improve, but will later, as stock gets used up. Farmers got good prices for their stock last year, which ought to help trade materially."

STUMPP AND WALTER CO.: "This being our first year in business we cannot make any prophecies or comparisons. The outlook, however, seems very roseate from present indications."

H. H. BERGER & Co.: "We find that the demand for California seeds has increased quite 100 per cent., especially for asters, nasturtiums, verbenas, mignonette, cosmos, cannas, and sweet peas; the latter, though, are undoubtedly getting quite scarce, as the crop was short."

AUGUST ROLKER & SONS: "It is somewhat early to predict what the outlook for the seed trade will be, though it seems to be fairly good, and florist seed trade is commencing to pick up considerably."

PETER HENDERSON & Co.: "It is entirely too early to make any prediction."

Meeting of Market Florists' Association.

There were about twenty growers present at the meeting of the New York Market Florists' Association, Tuesday evening, F. Lehnig, president, in the chair. The following committee, H. C. Steinhoff, A. Schultheis and A. D. Rose, was appointed to call on the city authorities and were empowered to hire about thirty stands in the Clinton market, costing $140, to be relet to members. The following new members were admitted: J. P. Cleary, J. L. Schiller, C. H. Joosten. A motion was carried to send circulars to all growers in the vicinity, inviting them to join the association. Intending members should send their applications to the secretary, A. D. Rose, Jersey City. Motion was made to assess all members five dollars, payable on or before the next meeting, February 1. Money to be refunded if the scheme fell through. The following committee was appointed to draw up constitution and by-laws: J. P. Cleary, H. C. Steinhoff, J. Birnie, W. Boenecke, C. H. Joosten, J. L. Schiller, C. Deitz.

Club Meeting Next Monday Night.

The next meeting of the New York Florist Club takes place Monday the 10th, when the new officers will be initiated and the first competition for the club's gold medal will be held. A good attendance is hoped for and exhibitors are invited to come out in force. The question of the annual dinner will also be voted on. All those unable to attend should notify the secretary if they desire to vote in the affirmative.

Notes.

Mayor Van Wyck, of Greater New York, has appointed the following park commissioners: President, Geo. C. Clausen, Borough of Manhattan; August J. Moebus, Borough of Queens; Geo. L. Brower, Borough of Queens, who will act in unity on all park ordinances, individually with regard to internal management.

Mr. John Palmer, Scranton, Pa., was a recent visitor.

Mr. J. Barclay, representing William Elliott & Sons, has returned from an extensive trip. Mr. Barclay reports a fairly successful trip for the time of year.

H. A. B.

PHILADELPHIA.

Satisfaction All Around.

The Christmas holidays of 1897 have come and gone and all things considered have proved fairly satisfactory to both dealer and producer. I think the consignors may be included, too, as they received better value for their money than of yore.

Nearly all the growers of cut flowers sold out clean by nine o'clock Christmas morning and by noon most of the stores had filled all their orders with little or nothing left over. The commission houses were not all so fortunate. The growers who ship their flowers to town are not so keenly alive to the danger of offering salted or poor stock as their brethren who have to meet the just indignation of the retailers who handle and rely on their stock. The result is that commission houses have some unsalable stock left, even at this season.

The plant trade was excellent. A little better than last season is the general verdict. Some difficulty was experienced in delivering this class of stock owing to the extreme cold; with milder weather more orders could have been taken for plants. Monday, Dec. 27th, found a fairly brisk demand for cut flowers, but for the next few days business was dull and the market irregular. The continued cold weather undoubtedly prevented a more serious break in prices.

New Year's brought better business without any material change in prices, which are, roughly speaking, as follows: Beauties, $6 to $9 per dozen; Brides and Maids, $8 to $15 per hundred; carnations, $2 to $4, and a few fancies $5; mignonette, $2 to $4, some extras $1 a dozen; violets, double, $1.50, single, 50 cents to $1.

Bowling and Shooting Notes.

The Florists' Club kept open house on New Year's Day, a bowling tournament was the chief attraction. Shuffleboards has gained tremendously in popularity here, the recent tournament proving a great success.

The ninth monthly shoot of the Philadelphia Trap Shooters' League was held on the grounds of the Florists' Gun Club at Wissinoming on New Year's Day. Eleven teams of six men each, competed. The Southward Club, with a score of 162 targets, handicap 61, were first. The florists' team, consisting of Messrs. Anderson, Burton, Bell, Hallowell, Park, and Smith, made 134, their handicap being 16. The Florists' Club led in the total score for the nine shoots by four targets.

Notes.

H. H. Battles is receiving orchids—which are rather scarce here at present—from A. Herrington, of Madison, N. J.

The business in Christmas greens was so large as to make one wonder how long the holly, for instance, can last. Holly was exceptionally fine, the branches being literally covered with very large berries.

Pennock Bros. have had a new rose in their window this week. It was sent by Strauss & Co., of Washington, D. C., and is said to resemble La France. The name is, I think, Mdme. Chatenay.

Death of President Jonathan Jones.

The Germantown Horticultural Society has sustained a severe loss by the death of their president, Jonathan Jones. Mr. Jones was a dry goods merchant, who took a deep interest in horticulture, devoting much time to his gardens, of which he was justly proud.

A new store in the summer, struggling along; bills accumulating; lack of moral courage; the store closed the Monday after Christmas; the owner has gone; a sad story.

J. W. Y.

Additional Items.

The January meeting of the Florists' Club of this city, will be of decided interest to the carnationists as our Mr. Albert M. Herr, of Lancaster and Philadelphia, will be the essayist on that occasion. Mr. Herr will read and talk carnations, so it is unnessary to say that all who are interested in the divine flower will be well repaid for the time spent at this meeting. A cordial invitation is extended to all to be present on Tuesday, January 4, 8 p. m.

The florists' supply people are well pleased with the holiday trade. M. Rice & Co. report business as fine as could be wished for. Mr. Rice says dollar wheat is the cause.

F.

ST. LOUIS.

Cut Flower Market.

The past week business has been very quiet, still prices have held up. Receipts of flowers of all kinds have not been heavy, yet there was enough stock on hand to go around and the prices at the commission house were somewhat lower than for Christmas. New Year's brought a little extra demand, but this holiday has ceased to be much of a factor in the flower market. The commission men report lots of kicking from shipping trade in regards to exorbitant prices. The complaint seems to be in line with former years.

Stock—Prices.

The rose market has been a little short the last week, as to first-class stock. Perles are a little scarce just now and bring from $4 to $5 per 100. Brides and Bridesmaids are selling from $4 to $10, extra fine stock alone bring $10. Meteors are very scarce and sell at top prices, $8 and $12. Beauties, extra long ones, bring $35 to $75, others from $10 to $25. Carnots are also very scarce at $8 and $10. Woottons and La France sell from $2 to $6.

Carnations have been in good demand. Good Scott, Daybreak, Jubilee, Eldorado and Flora Hill bring from $4 to $6 per hundred. Bulbous stock is plentiful. Romans bring from $2 to $4; paper whites, same. Harrisii stand at $12.50 and callas at $10. No Von Sion or freesia are seen in this market yet.

Violets have been picked very closely last week and consequently the supply is short and those that come in bring good fair prices; Californias $1.50 and $2; single home grown 75 cents; southern 40 cents; double $1. Bouvardia is very fine and not plentiful; the price is $2 per hundred. Mignonette, large spikes, bring $4 and $6. Smilax is selling poorly this and last week.

The Question Box.

It has been the custom at each meeting of the Florist Club for each member to ask a question and the president to call upon some one in the room to answer it. Sometimes they are not prepared to answer the question at once, so President Halstedt will hereafter send out questions a week or so ahead and assign some member to answer same at the next regular meeting. The following questions have been prepared by the president for the meeting of Jan. 13, at 3 p. m., who requests through the Review that the name of whoever is to answer same be found below each question, and for him not to fail to be present and on time at the next meeting. The first question will be:

No. 1. When will we give carnation exhibits a certificate? Answered by Robert F. Tesson.

No. 2. Name one pink, one white and one red carnation as being the best up-to-date commercial variety, three bread winners, and state why you think them the best. Answered by John Steidle.

No. 3. What variety of roses would you grow to supply the St. Louis market? Answered by J. F. Ammann, Edwardsville, Ill.

No. 4. Which is the most profitable to sell, the fern fronds or the entire plant? Answered by Andrew Meyer, Sr.

No. 5. Does it pay to advertise a flower show and how should it be done? Answered by J. J. Beneke.

No. 6. Economical carnation supports. Answered by Wm. Trillow, Belleville, Ill.

No. 7. When and how shall we begin preparations for our next chrysanthemum

show? Answered by William C. Young.

No. 8. Shall we have another chrysanthemum show? Answered by Frank J. Fillmore.

Notes.

Gustave E. Meissner, a partner of Isadore Bush, of St. Louis, and manager of the Bush Vineryards at Bushberg, Mo. died at that place Sunday, January 2. Mr. Meissner was in his fifty-fourth year and leaves a widow and ten children. He was well known among the nurserymen and florists in Missouri.

Chas. Young, the genial correspondent of the *Florists' Exchange*, just returned from a week's hunting trip. Charlie is one of the best shots among the florists, and his five brothers and two sisters will have game enough to eat for at least a week.

Ed. Buechel, of the Riessen Floral Co., did himself proud in decorating the Union Club House for their yearly Christmas party. Ed. also reports that their business at Christmas and New Years was ahead of last year. Mr. B. is thinking of taking a party to Klondike this spring.

Of Interest to Bowlers.

Monday night a meeting was held at the bowling club alleys and it was decided to roll Cocked Hat during the January series. As January has five Mondays the last four will be devoted to the new game just for a little change. In the three games rolled C. Kuehn was our high man with 587, high score 228; J. W. Kunz second with 530, high score 218; C. C. Sanders third with 528, high score 200. All members are requested to attend next Monday and try their hand at the new game of three pins.

J. J. B.

CHICAGO.

Among the Retailers.

New Year's trade averaged about the same as last year. There was possibly a slight increase but nothing worthy of special note. All seemed satisfied and encouraged over the outlook. Quite a number of good decorations have been booked for the next few weeks.

P. J. Hauswirth had the decoration for the Seipp-Madlener wedding last Tuesday, which was quite a large one. Each room of the large residence was freely decorated with Bridesmaid roses, asparagus and plants. The wedding supper was served on tables, of which there was a large number, each freely decorated with Bridesmaid roses and asparagus.

Joseph Curran has taken a position with Friedman. He still keeps the west side store, Mrs. Curran caring for same.

Among the Wholesalers.

All report a very satisfactory New Year's business. Kennicott Bros. Co. report trade much better than last year, and no surplus of stock between the two holidays, as has so frequently happened in past years. E. H. Hunt found trade satisfactory, and feels that a prosperous season has been favorably opened. Bassett & Washburn did an extra good trade and it is holding up well. A. L. Randall reports trade fully as good as last year, and that prices hold up well on high grade stock, though there was a little slump at the last moment on the lower grades, especially in Brides and other white flowers. Vaughan, McKellar & Winterson did an excellent business, and it held up well during the week. E. C. Amling could have sold more had he had the stock. Rogers Park Floral Co. did rather better than last year, and this was also the experience of Reinberg Bros. W. E. Lynch, Winter & Glover, and A. G. Prince & Co. all report satisfactory trade.

Various Notes.

Mr. Ed. Heim, of Blue Island, had a New Year's caller who will make a long stay. It is a bouncing boy, and all are doing nicely.

In response to a request for white violets a grower replied that he could not supply the genuine article but could supply some bleached Lady Campbell, that would answer the purpose. Can the lady be turned into a "bleached blonde"?

The program for ladies' night at the Florist Club next Thursday evening grows apace. It will include some musical numbers, both instrumental and vocal, of a high order. A special feature will be a trio for two violins and piano, rendering Handel's Largo. The program will also include a violin solo (Raff's Cavatina) by Miss Mary Belle Smith, the violiniste; a piano solo (The Awakening of the Lion, by Kontski) by Miss Amanda Blumenthal; tenor solo, by Geo. Mason; violin solo (Traum der Sennerin, Labitsky), by Miss Alda Grant; piano solo (The Last Greeting, Keck), by Miss Maud Grant; selections by the club quartette, (including McKellar, Kissel and Winterson) and other numbers.

BOSTON.

A New Wholesale Store.

A new wholesale flower market has been opened here by F. R. Pierson Co., (of Tarrytown and Scarborough, N. Y.), at 18 Chapman Place, under the management of Victor H. Pilat, for the sale of their fine roses, among which their Beauties and Meteors cannot be excelled. Their manager reports a very ready sale for all grades. They are now ready for extensive business having had telephone connection put in this week, and say they have come to stay.

Club Meeting.

The first monthly meeting for 1898 was held on Tuesday evening. The principal business of the meeting was installing the officers for the ensuing year. Mr. George M. Anderson, of Milton, who succeeds Thos. J. Grey, is a well known and successful grower, a man of great tact and energy, and he took the chair under a tremendous and continuous applause.

After the several official positions had been taken, Mr. John Farquhar, of the firm of Farquhar Bros., seed merchants, proceeded to deliver a very able address on Jamaica and its fruit supply, with a description of the island, with stereopticon views, which was very interesting and instructive.

Trade Conditions.

The flower trade of Boston showed a marked falling off from the previous week. The growers tried to keep up their prices all they could, but had to succumb to the inevitable. However, after the middle of the week, and as the new year approached, the demand was considerably better and prices improved. The retailers are now preparing for a good and regular course of business without any marked fluctuations until Easter time.

Welch Bros. are receiving from Carl Jurgens, of Newport, some remarkably fine Beauties, Brides and Bridesmaids, together with exceedingly well grown valley.

A Pure White Cypripedium.

A new and very rare cypripede was exhibited at Horticultural Hall, January 1st, by W. W. Lunt, of Hingham. Mass. It was Cypripedium bellatulum album, and he was justly honored by the society's silver medal. There are only a few plants, I understand, in cultivation in this country, and it being only a shy grower, demands great care and attention to bring it to perfection. The following are a few notes by the owner of this white gem and who has spent some little time in tracing it.

"An albino of the beautiful Cypripedium bellatulum is undoubtedly a surprise, but a form has flowered in the collection of Sir Frederick Wigan, East Sheen, and was awarded a first class certificate, June 11, 1895, at the exhibition of the Horticultural Society, at London, England. It is the only pure white cypripedium in the genus, for C. niveum has a few purple spots, while C. bellatulum has but a small pale yellow stain on the staminode; scape, bracts and ovary are entirely green. It was discovered by R. Moore, also by C. Charlesworth, and distributed by Charlesworth & Co., of Bradford, England. Measurement of flower: 2⅜ inches across, pouch 1⅝ inches long, dorsal sepal 1⅝ inches across and 1½ inches high, petals 1½ inches broad and 2 inches long."

C. H. J.

KANSAS CITY, MO.

Stock and Prices.

Christmas trade was fully up to that of last year, the weather being all that could be desired, and were it not for an article in one of our leading papers giving the Christmas prices of flowers, especially American Beauties, at $2 apiece and advising young men to give their friends a *farm* instead of American Beauties and their sweethearts a sealskin sacque, we would have done more business, as there is no doubt the high prices given, which did not exist, did us lots of damage. However, all report a good fair trade. Some sold American Beauties at $10 per dozen and others got $15 and $18; Brides, Maids and Gontiers at $3; carnations $1 per dozen; Romans $1; narcissus $1; violets, bunch of twenty-five, $1; valley $1.50.

Stock was very high but of excellent quality, and there was no trouble in getting $3 for good roses, but great trouble with violets at $1 per bunch. Narcissus and Romans went slowly. A few orchids in pots were sold. Palms, ferns and araucarias sold very well. All of the plants in bloom went very readily at good prices, but from the dull weather were none to plentiful. Azaleas, cyclamens, primroses and a few orchids have been seen and sold at a good price and bring more profit than Beauties. If your correspondent is alive and here next year, will have lots of Cattleya Trianæ, in bloom, and if possible eucharis. Every year plants in bloom sell better. Holly and green were soon sold out, and over town mistletoe was scarce and so poor as not worth picking up.

New Year's trade was fair. Plenty of good stock to be seen all over town, but the cry—prices were too high, was heard over the counter. But for some good wedding and funeral work, business would have been short.

Gas Damages Stock.

R. S. Brown & Son report the loss of two rose houses from gas. Also considerable damage to other stock, such as begonias, etc. It was really distressing to see their propagating house; many thousands of cuttings destroyed. The Gas company has repaired their leaks, but poor Mr. Brown's stock will take many months to look as before. And were it not for the splendid new range of houses put up last year, they would be in shape to shut up shop on cut flowers. But their new houses are looking very fine, especially their roses, so that if the gas does not again invade their other houses, all will be well yet for a good spring trade. Their roses destroyed by the gas reminded the writer of the Dingley plant on the front page of the last Harper's weekly. They report having a good many small decorations.

There have been but very few large parties given by private people, excepting those given at the Coates House, that of the Commercial club banquet being the finest ever held in Kansas City. J. L. Coates, president and manager, gave the Coates House conservatory people a banquet and the result was O. K. But the bill for it was not small, but J. L. Coates says good things are worth money and paid it freely. Would to the Lord all were like him, wanting the best and willing to pay a just price for it.

Fire at John Schneider's.

The greenhouses of John Schneider were burned Christmas eve, destroying a new plant that had cost from $8,000 to $10,000. Mr. Schneider reports that he will rebuild at once. Nothing ruffles nor scares John. S.

CORRECTION.

In the article "Dendrobiums for Market," in issue of December 30, there is a slight error in punctuation. The fourth paragraph should read: "For early fall trade grow Dendrobium Formosum var. giganteum and Dendrobium Phalænopsis var. Schroderianum. Formosum is perhaps unequaled in the genus," etc.

J. ROBERTSON.

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SITUATION WANTED—By a reliable, industrious young man in park or private place. Single, 23 years of age; seven years' experience; good references. Address G, care Florists' Review.

SITUATION WANTED—As foreman or propagator. Good wages or share of profit. Address, PLANTSMAN, care Florists' Review.

WANTED—A sober and industrious young man, familiar with the care of orchids and who can also act as coachman. German preferred. Wages to the right party $25.00 a month, board and room; room heated by hot water. Address North-West, care Florists' Review.

SITUATION WANTED—Young man, well experienced in growing all kinds of plants, and well recommended, would like to have situation with commercial firm or private place. Please state wages. Address Florist, care Florists' Review.

SITUATION WANTED—By a florist, as working manager, to execute a new profitable enterprise. Expenses small, prompt returns, sterling worth. Communications confidential. At once; east, near New York. C. A. Ober, Gardener, Parsippany, N. J.

SITUATION WANTED—By a first-class all round man. References. No one-horse place need apply. Florist, 310 Foote Ave., Jamestown, N. Y.

WANTED—Good man to care for palms, ferns, orchids, etc. Must be first-class. Address Q. R., care Florists' Review.

WANTED—Competent florist for store. Must be familiar with plants. Address Z. M., care Florists' Review.

SITUATION WANTED—By single man, six years experience in a commercial greenhouse; best of reference. Age 21. Address Robert Belmont, 27 City Street, Utica, N. Y.

SITUATION WANTED—A successful rose grower desires situation as principal grower on large place or as foreman on medium sized one; references given. Address Nixon H. Gano, care Florists' Rev

SITUATION WANTED—German, first-class grower of roses, carnations, mums and violets, wishes to change his present situation. Address German, care Florists' Review.

SITUATION WANTED—By good all around florist; have grown mushrooms for market for last 6 years; unexceptionable references. Address H. R. Fisher, 605 Clinton St., Milwaukee, Wis.

WANTED—Partner, in Chicago, with $1,000 cash, to take half interest in a well established paying florist and greenhouse business; experienced man preferred. Address L. F., care Florists' Review.

SITUATION WANTED—As gardener or general manager, to take charge of gentleman's estate; understands his business thoroughly; 30 years' experience; good references; only those wanting a first-class man need apply. Address "Reliable," care Florists' Review.

WANTED—Young man to take entire charge of four rose houses 75 feet long, modern; board on place; state wages. W. L. Hucke, Belleville, Ill.

WANTED—An experienced young man in Fern Department, one who is fully conversant with this branch of the business from the growing and saving of the spores to sowing and growing plants into marketable shape. Apply with references, stating full particulars as to experience, etc., to HENRY A. DREER, Inc., Box 1618, Philadelphia.

WANTED—A first-class orchid, palm, fern and stove plant grower. Must be sober, industrious, honest and reliable. Address, MINNESOTA, care Florists' Review.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salary or commission basis. A first-class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—By competent man, in florist's store. Competent to take charge. Address Robert A. Betz, 10 Van Buren Street, Chicago.

WANTED—
WANTED—
FLORIST'S ASSISTANT.
FLORIST'S ASSISTANT.

Married man (no children), to work under foreman; one who has had some years' experience in greenhouse work and fruit growing, and one who is willing to work on farm if required. Steady work, cottage, wood, vegetables and milk furnished. Country place. State wages wanted; references required.
J. J. Van LEUVEN,
Brighton, Livingstone Co., Mich.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

NEW YORK MARKET.

Week Ending January 1, 1898.

Am. Beauty, fancy, extra long stem, each		$1.00
Am. Beauty, extra, each		50c to 75
" " No. 1 each		25c to 50c
" " Culls and ordinary		
	per 100	5 00 to 10 00
Brides, 1st	"	6.00 to 12.00
" 2nd	"	4.00 to 6 00
Bridesmaids 1st	"	6.00 to 12.00
" 2nd	"	4.00 to 6.00
Meteors, 1st	"	8.00 to 15 00
" 2nd	"	4.00 to 8.00
Testouts, 1st	"	10.00 to 15.00
" 2nd	"	4.00 to 8.00
Morgans, 1st	"	6.00 to 12.00
" 2nd	"	4.00 to 6.00
Cusins, 1st	"	5.00 to 8.00
" 2nd	"	3.00 to 5.00
Perles	"	3.00 to 8.00
Carnations	"	2.00 to 4.00
" fancy	"	4.00 to 6.00
Valley	"	2 00 to 4.00
Hyacinths	"	1.50 to 2.50
Harrisii	"	10.00 to 12,00
Violets	"	1.25 to 2.00
Paper white narcissus	"	2.00 to 3.00
Poinsettias	"	20.00 to 25.00
Cattleyas	"	50.00
Cypripediums	"	8.00 to 10.00
Smilax	"	6.00 to 10.00
Asparagus	"	50.00

CINCINNATI.

Weather Conditions.

The new year started in cold and clear with six inches of snow and the thermometer hovering around 10° above zero, therefore making double work in wrapping plants and cut flowers for delivery. Owing to the cold weather very few plants were sold, but everything in the line of cut flowers sold well. Roses went at from $2 to $3 per dozen, with the exception of some choice Meteors and Kaiserin which brought $5; Beauties from $6 to $12 per dozen; narcissus and Romans 75 cents per dozen; valley $1; violets 50 cents; carnations 75 cents to $1.

Notes.

Several large funeral orders came in at the beginning of this week, which will exhaust the surplus stock of white carnations and hyacinths.

I notice that poinsettias, at one time very popular, but of late years somewhat discarded, are growing more in favor again for table decorations. Sunderbruch's Sons used 1,200 during the holidays and they intend to grow two houses next year.

Mr. Fred. Walz, of Cumminsville, who has been confined to his room the past two weeks, is about able to be around again.

The regular monthly meeting of the Cincinnati Florist Society will be held Jan. 8. Election of officers will take place and a full attendance is expected.

NEGRUM.

RIVERTON, N. J.

Mr. Walter Mott celebrated his tenth anniversary of joining the "Benedicts" on the 29th of December, and many of his friends were present. Mr. J. Austin Shaw sent an original poem congratulating him and Mrs. Mott, which brought tears of joy and sadness to the eyes of the visitors. Being a tin wedding he sent it in a watering can, because it could "spout" for itself, he said. Walter received many appropriate presents of other baser and higher metals also.

SUMMIT, N. J.

Lager & Hurrell, of Summit N. J., have purchased the famous collection of orchids from J. E. Brown, Belport, L. I. They have also received a very fine importation of Cattleya labiata in excellent condition.

Mr. J. N. May, receiver for Pitcher & Manda, has declared another 30 per cent. dividend and creditors are receiving checks for same.

JOHN I. RAYNOR
FIRST-CLASS
Flowers
IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.
49 West 28th Street, NEW YORK.

Samuel S. Pennock
A fine stock of Roses, Valley, Carnations, Smilax, etc., coming in, of which we can fill orders on the shortest notice.
EXTRA FINE STOCK OF BEAUTIES.
WHOLESALE FLORIST
1612-14-16 Ludlow St., PHILADELPHIA, PA.
Between Chestnut and Market Streets.
Open until 8 P. M.
Local and Long Distance 'Phone 5210.

CUT ORCHIDS OUR SPECIALTY.....
We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.
MacDONALD & McMANUS, WHOLESALE FLORISTS,
50 WEST 30TH STREET, NEW YORK.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

EDWARD REID,
WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

MEET US AT THE OLD STAND
ALWAYS OPEN
Millang & Co.
Wholesale Commission Florists,
48 W. 29th Street, NEW YORK.
Between Broadway and Sixth Avenue

WM. J. BAKER,
WHOLESALE CUT FLOWERS,
432 S. Penn. Square, PHILADELPHIA, PA
Original Headquarters for CARNATIONS.

GALAX LEAVES AND LEUCOTHOE SPRAYS---Green and Bronze.
Of all wholesale florists—or write the introducer for free samples and information.
HARLAN P. KELSEY,
1150 Tremont Building, - - BOSTON, MASS.

--VERBENAS--
The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Rooted cuttings, 60 cts. per hundred: $5.00 per thousand. Strong plants, full of cuttings, $1.50 per hundred. Strictly cash with order.
SOUTH SIDE FLORAL CO., - Springfield, Ill.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on..... ...

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE, CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE EXPRESS 466.

WRITE US FOR ILLUSTRATED CATALOGUE.
WINTER & GLOVER
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
FULL LINE OF WIRE DESIGNS AND FLORISTS' SUPPLIES.
21 Randolph St., CHICAGO.

REINBERG BROS.
500,000 FEET OF GLASS.
WHOLESALE GROWERS OF CUT FLOWERS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.
Write for Prices on.... ....Rose and Carnation Rooted Cuttings.
51 WABASH AVENUE, CHICAGO.

HARDY ROSES, C. H. JOOSTEN, Importer,
193 Greenwich St., NEW YORK.
Etc., For the Garden and Greenhouse.
See advertisement this paper Dec. 2, page 57.

C. A. KUEHN WHOLESALE FLORIST
Cut Flowers and Florists' Supplies.
Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.
MOUND CITY CUT FLOWER CO.
Wholesale Commission Florists
1322 PINE ST. ST. LOUIS, MO.
Consignments Solicited.
Special Attention paid to Shipping Orders.

..C. W. WORS..
Wholesale Florist
2740 OLIVE STREET
ST. LOUIS, MO.....
FINE ROSES—Shipped Carefully to all Parts of the Country.

E. C. AMLING,
Wholesale Cut Flowers
Consignments solicited.
Prompt attention to shipping orders.
51 Wabash Ave., CHICAGO.



Lily of the Valley

From the finest cold storage pips. They are an extra choice lot of flowers, large bells with plenty of deep green foliage.
Note the price..... .....$3.00 per hundred

Harrisii Lilies

Well grown, very large flowers, good long stalks. They are the best in the market. **Price.....$10.00 per hundred; $1.50 per dozen**

Asparagus Plumosus

Good strong strings. **Price.....50c per string**

Smilax.....

Heavy long strings. **Price....$10.00 per hundred; $1.50 per dozen**

Bassett & Washburn,

Greenhouses and Residence:
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store.....88 Wabash Ave., CHICAGO, ILL.
Long Distance 'Phone Main 223.

TORONTO.

The holiday season being over, florists are now busy comparing notes, and the experience of those I have spoken with appears to have been eminently satisfactory, all the grumbling that has been done has been directed at the weather. It certainly has not been very propitious; before Christmas it was so dull that the flowers could not open quickly enough and at Christmas, and New Years too, it was so cold that it kept many people at home and made the shipping of plants a difficult and risky business. However in spite of drawbacks a fine trade was done, as I said before.

Victorian Era Ball Calls for a Large Number of Flowers.

The Victorian Era fancy dress ball given to the citizens by Lord and Lady Aberdeen on the 28th ult. held in the Armories was a great event and will be long remembered by those who attended. A large quantity of flowers and evergreens were used both in the decoration of the hall and supper tables and by the guests. A lot of money was spent one way and another on this the finishing touch to the Jubilee year in Canada.

As a result of my question concerning poinsettias in your last issue at least one florist is going to grow them for next Christmas. Mr. George Mills, of Ossington avenue, thinks there is money in them, too.

Club Meetings.

The annual meeting of the Horticultural Society will be held on the second Wednesday in January (12th), according to the act of Parliament. Everyone should make an effort to have a rousing meeting.

The Electoral District Agricultural Society, which used to hold summer flower shows but now gives its money in prizes at other horticultural shows, holds its meeting on the third Wednesday in January (19th). It is reported that some important changes are to be proposed by the directors, and it would be well for as many of the boys to attend as possible, to see that what is to be spent should be spent to good advantage. E.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
Cut Strings, 8 to 10 Feet Long 50 cts. Each.
Shipped to any Part of the Country.

TELEPHONE 1496.
A. L. RANDALL
126 DEARBORN STREET, CHICAGO.
Don't Forget
.....that we are at the old number, 126 Dearborn Street. Write for special quotations on large orders.
Wholesale Florist.

LAGER & HURRELL
Growers and Importers of
ORCHIDS
Correspondence Solicited
SUMMIT, - - N. J.

W. E. LYNCH,
...Wholesale Florist...
The right kind of stock, packed in the right way, delivered at the right time, and at the right prices
19-21 Randolph St., CHICAGO.

A. G. Prince & Company
Telephone .....Main 3208
Agents for..... HINSDALE ROSE CO.
WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES
88 and 90 Wabash Ave., - Chicago

GIVE US A TRIAL. WE CAN PLEASE YOU.
HEADQUARTERS IN WESTERN NEW YORK
ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist....
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

HEADQUARTERS FOR
AMERICAN BEAUTIES
BASSETT & WASHBURN, Chicago

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100; $20 per 1,000. Send for samples...
Cash with the order.
FRED. BOERNER, Cape May City, N. J.

FOR SALE 5000 feet of glass at Jamestown, N. D. Price $1,500—⅓ cash, balance may be paid in cut flowers.
W. W. SEEKINS...FLORIST
921 E. THIRD STREET, - - DULUTH, MINN.

Seeds Stock large flowering dwarf, pure white, red, canary-yellow, daybreak, rose, brilliant, dark blue, etc., aster, verbena, cosmos, petunias, double and single. Trade pkt. 25c. Importations of Erica, etc.
Henri Beaulieu, Woodhaven, N. Y.



SPECIAL NOTICE.

JUST RECEIVED—Our stock of Pearl Tuberose Bulbs.
Fine, large bulbs, per 100, $1 10; per 1,000, $8.00.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking effect Monday, Jan. 10, 1898.
Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.			
Ordinary selected stock	per 100,	$2.00—	
Fancy	"	3.00—	
ROSES.			
Beauties, long	per doz.,	6.00—	
Beauties, medium	" "	3.00—	
Beauties, short	" "	1.50—	2.00
Brides	per 100,	4.00—	6.00
Kaiserin	"	4.00—	6.00
Maids	"	4.00—	6.00
Meteor	"	4.00—	6.00
Perles	"	4.00—	6.00
GREENS.			
Asparagus	per string,	$ .60—	
Ferns, Adiantum	per 100,	1.00—	
Common Fancy, 1,000 $1.50	per 100,	25—	
Smilax	per doz., 1.25; per 100,	10.00—	
Ivy Leaves	per 100,	.60—	
Galax	per 1000, $1.50 "	.15—	
Wild Smilax, Parlor Brand	case,	3.75—	
Wild Smilax, Medium	"	5.50—	
Wild Smilax, Large	"	8.00—	
Extra fine lot of Wild Smilax now on hand.			
MISCELLANEOUS.			
Marguerites	per 100,	.75—	
Mignonette	per doz.,	.75—	
Callas	per doz.,	1.50—	
Harrisii	"	1.50—	2.00
Romans	per 100,	3.00—	
Paper white Narcissus	"	3.00—	
Stevia	"	1.25—	
Valley	"	4.00—	
Violets	"	1.25—	1.50

All other seasonable stock at market rates.
Regular orders solicited.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

UP-TO-DATE..... **CUTTINGS**

The following carnation cuttings are rooted in sand, then transplanted into good soil, are strong and healthy, every cutting a good one:

Wm. Scott and Lizzie McGowan, $1.00 per 100, $10.00 per 1,000.
Daybreak, $2.00 per 100, $15.00 per 1,000.
Coleus, Golden Bedder, Crimson Bedder and 20 other good Bedders now ready from strong top cuttings, 2¼-inch pots, will make you lots of cuttings, $1.00 per 100, $10.00 per 1,000.

Named Geraniums, up-to-date varieties, 2¼-inch pots. $2 per 100, $20 per 1,000.
Salvias, Petunias, Feverfew, Little Gem and Begonias, all named, 2¼-inch pots, at $2 per 100, $20 per 1000.

The MORRIS FLORAL CO.
MORRIS, ILL.

Nothing Like It!

GERANIUM
..MARS..
2-inch pots, $1.00 per doz.
Cash with order.
HENRY EICHHOLZ,
Waynesboro, Pa.

FLORISTS and affiliated brethren are cordially invited to call at our New York office when visiting the city.

CALVAT'S Unrivaled set of 1897 Chrysanthemum Novelties

25 Varieties for $10.00

THE most beautiful and extraordinary lot of new Chrysanthemums ever presented. You cannot do without them. They have figured in all the prize winning lots throughout Europe the past autumn. We can supply you the 25 varieties for $10.00—ready in February— send in your order.

Send for our January List

E. G. HILL & CO., - - Richmond, Ind.

Bouquet Green Packed in crates, $3.50 per 100 lbs.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

ROOTED CUTTINGS OF THE
New Geranium Mme. Bruant.

I am able to now furnish this wonderful distinct variety by the hundred and thousand. No Florist can be without this variety, being certainly the finest plant novelty of the year. A large well rooted stock ready now. Shipped to any part of the Union by mail or express, prepaid, 75c per doz.; $3.00 per 100; $25 00 per 1000. Cash with order. Order at once, no better stock can be had. Address

FRED. SCHNEIDER, 751 Crawford Rd., Cleveland, O.

Clematis Coccinea, $40—$45 per 1000 Crispa, $30—$40 per 1000
Yellow Zephyranthes, (new).
Milla, Amaryllis, Pancratium, etc. Cactus and Cactus Seed.
Write for Price List.
WILLIAM TELL, Austin, Texas.

GERANIUMS.

Rooted cuttings of J. J. Harrison, S. A. Nutt, Beauty Poitevine, Leonard Kelway and 30 other varieties, our selection, $1.25 per 100, $10.00 per 1000. Grant and Tennyson, $9.00 per 1000. Mme. Salleroi, $1.00 per 100, $9.00 per 1000. **Ageratum**, blue and white, 60c per 100 by mail. **Feverfew, Little Gem,** $1.00 per 100. **Fuchsias,** Gloria De Marches and 20 others, $1.50 per 100. **Grant Sweet Alyssum,** 70c per 100 by mail. Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

Please mention the Florists' Review when writing advertisers.

NEWS NOTES.

Buffalo, N. Y.—New bids will be asked for the building of the new conservatory at South Park.

Lake Geneva, Wis.—Longland & Holmes now have 10,000 feet of glass, and do a wholesale and retail trade.

St. John, N. B.—The St. John Florists' Club is prospering. Mr. W. McIntosh, 118 Orange street, is secretary.

Kansas City, Mo.—Mr. W. L. Rock, formerly with J. M. Gasser, Cleveland, O., is now in business for himself in this city at 1024 Main street.

Springfield, Ill.—The annual meeting of the Illinois State Horticultural Society was held here Dec. 28 to 30. The program was unusually valuable and interesting.

Yankton, S. D.—The South Dakota Horticultural Society was to have held its annual meeting here Dec. 15, but has postponed the meeting till January. E. D. Coles of Vermillion is secretary.

Muncie, Ind.—Christmas trade was the best of the past four years. Cut flowers sold out early. Palms sold well. More holly and green was sold. Merchants did more decorating than heretofore.

Washington, Iowa.—Mr. E. C. Keck is building a new greenhouse, to contain 3,000 feet of glass, and which is located near the center of the town. He will abandon his present location, a rented one, half a mile from town, in the spring.

Cleveland, O.—Mr. John Smith, at corner of Wade avenue and Crawford Road, has admitted his son to partnership and the business will be continued under the title, Smith & Son. The young man has been active in the business with his father for the past five years.

Mittineague, Mass.—Mr. H. Wilson Smith has removed from Springfield, Mass., to this place and has located at 7 Ashley street. He has built a new house this year and now has a total of 4,000 feet of glass. Pansies are to be a specialty with him, though he will also grow carnations, and his place will be known as Pansy Dell.

Kansas City, Mo.—The Western Association of Wholesale Nurserymen held their semi-annual meeting here December 21 and elected officers for the ensuing year as follows: President, A. L. Brooke, Topeka, Kan.; vice-president, R. H. Blair, Kansas City, Mo.; secretary and treasurer, U. B. Pearsall, Fort Scott, Kan.; executive committee, A. Willis, Ottawa, Kan., chairman; Peter Youngers, Jr., Geneva, Neb.; E. S. Welch, Shenandoah. Ia.; J. L. Bagby, New Haven, Mo.; W. F. Heikes, Huntsville, Ala. The next meeting will be held June 21, 1898, at the Omaha exposition.

DREER'S SPECIAL OFFER

—Of—

PLANTS FOR FORCING

LILACS—We offer a fine lot of strong pot-grown plants, well ripened up and well set with buds; beautiful shaped plants of Charles X and Marie Lagraye, $6.00 per doz.; $50.00 per hundred.

METROSIDEROS FLORIBUNDA—(Bottle Brush). Fine shaped plants with lots of buds.

STANDARD SHAPED on stems 20 inches high with 12 inch crowns, $1.50 each.

BUSH SHAPED—nice round crowns 12 in. in diameter, $1.00 each.

ACACIA ARMATA—A fine lot of plants in 7-inch pots, 24 inches high, $1.50 each.

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Pteris Tremula. 6-in., strong, $15 per 100. Assorted Ferns, 5 and 6-in., fine, $1 50 per doz. Pandanus Utilis, 3-in., $6 per 100. Adiantum Cuneatum, 3-in., $6 per 100. Grevillea Robusta, 4-in., $6 per 100. Geraniums, Mme. Bruant, 2½-in., $4 per 100. S. A. Nutt, 2½-in., $2.50 per 100. LaFavorite, 2½-in., $2.50 per 100. S. A. Nutt, rooted cuttings, $15 per 1,000. Mme. Salleroi, 2-in., $2 per 100. Geraniums, standard varieties, 2½-inch pots, $20 per 1,000. Rose Geraniums, 2½-in., $3 per 100. Chrysanthemums, standard varieties, bench or pot stock plants, $1 per dozen. Carnations, rooted cuttings; Lizzie McGowan, $12 per 1,000; Daybreak, $13 per 1,000; Rose Queen, $10 per 1,000; Mapledale, $5 per 100. Flora Hill, $5 per 100. Terms cash. Stock in No. 1 condition.

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Areca Lutescens	3	10-12	3-4	$0.12	$1.10	$10.00
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Chamærops Excelsa	3	6-8	3-4	.12	1.10	10.00
Latania Borbonica $35.00 per 1000	2½	8-10	2-3	.05	.45	4.00
Latania Borbonica	3	10-12	3-4	.12	1.10	10.00
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GEO. A. KUHL, - Pekin, Ill.

Geraniums Best Bedders and choice new varieties, $10.00 per 1000; $1.25 per 100 by mail. Extra heavy stock, $13.50 per 1000.

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A TENTH ANNIVERSARY.

Riverton, N. J., has been the scene of festivities of late. Genial Walter Mott, of H. A. Dreer's, and Mrs. Mott celebrated the tenth anniversary of their wedding Dec. 29, and a florist friend of Walter's sent him the following congratulatory lines:

(To Walter and Mrs. Mott on the 10th anniversary of their wedding, Dec. 29, 1897.)

I'll tell you a story that never grows old,
And it is not a story of silver and gold,
'Tis a story as pure as the heaven's above,
The fadeless, the beautiful story of love.

Was it 'neath an old oak, by a rippling stream
That he told his dear lassie h.s love's young dream?
Or far, far away, on old England's green hills,
Where the nightingale sings and the mocking-bird trills?

Full well do I know that this cavalier bold
There told her that story—the sweetest ere told,
Laid siege to her heart, and its citadel carried;
And so, ten short years ago, Walter was married!

Look around and behold what ten years can achieve:
'Tis a fairy tale—surely—you'll almost believe—
And yet, when to energy, virtue and thrift,
Is added the noblest, the very best gift

That a man can desire to well round out his life,
The gift of a loving and beautiful wife!
What reason, or cause, do you know! Can you tell!
Why this child of good fortune shouldn't do well?

And the babies! the babies! those crowns of affection,
With their dear mama's eyes, and their father's complexion,
Who'd have thought ten short years could have yielded such fruit,
And yet all his friends now declare that "they knew it."

Well! 'tis well! and the darlings are welcome, each one,
And no lovelier babies ere blinked at the sun,
Or absorbed their big toes, or of milk, howled for more—
Or kept their "pop" all night long walking the floor!

Bright be the sunlight and gentle the flow
Of the river of life, as they onward go.
May they sail together years, five times ten,
May the storms and tempests ne'er gather, and when

All the voyage o'er and the harbor at hand,
They cross, one by one, to "the summer land,"
May they all clasp hands, and together be
Through the endless years of eternity.

YORK, PA.—The State Horticultural Society will hold its annual meeting in this city January 18 and 19.



Facts more eloquent than words.
C. S. A. awards highest of the year.
New York 95 points,
Boston 94 points,
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First prize, white, in strong competition at Boston and Philadelphia shows, and certificated wherever shown.
The ideal commercial and exhibition bloom.
Price, 50 cents each,
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$150.00 per thousand.
Ready for delivery March 1st, 1898.

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John Young (Ward).—White.
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Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock) and all other principal new varieties.

All good 1897 novelties and other standard varieties at reasonable prices.

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35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

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By the Thousand.

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Double Petunias, 50 varieties	$1.25
10 New Varieties this year	1.50
Not less than 5 of a kind.	
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Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

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Write for prices on car lots.

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IN order to close out stocks remaining unsold, for one week only, after which we shall box up for our own forcing any stocks then left. If you want any of this stock, order at once. Stock is in perfect condition, and we offer it **very low—in many cases below cost**—in order to close out quickly, as it is late in the season and the assortment is broken.

6,000	Narcissus, True Irish Princeps	$ 9.00	per 1000;	regular price,	$13.00
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750	" Poeticus	3.00	" 1000;	"	3.50
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400	" Orange Phoenix	1.50	" 100;	"	2.00
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3,000	Pink Romans, extra quality	12 00	" 1000;	"	16.00
5	Cases Spiræa Astilboides Floribunda	$10.00	per case 250	clumps;	12.00
10	" " Compacta Multiflora	12.50	" 250	"	15.00
2,000	Tulips Chrysolora	$ 9 00	per 1000;	"	12.00
1,000	" Gloria Solis	4.50	" 1000;	"	6.00
200	Callas, extra size	4.00	" 100;	"	5.00
1,500	Oxalis, Bermuda Buttercup	8.00	" 1000;	"	12.00
1,500	" four named sorts	4.00	" 1000;	"	5.00
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Florists' Review....

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Wholesale grower of Carnations and Small Ferns.

Rooted Cuttings of Carnations:

New—Mayor Pingree, Victor and Flora Hill, per 100, $5.00, per 1000, $40.00; Jubilee and Emma Wocker, per 100, $3.00, per 1000, $25.00; Meteor and Tidal Wave, per 100, $2.00, per 1000, $15.00; Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50, per 1000, $12.00.

All well rooted. Satisfaction guaranteed or money refunded.

WHEN YOU WANT THE **BEST**
SEND TO
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BALTIMORE.

One house of the red La France rose blooming freely and in excellent condition was seen last week at Isaac Moss' Nursery, Baltimore, Md., a sport from La France in similarity of growth and habit, having all the qualities of the parent plant, but blooms much darker in color; in fact, being almost a dark red. Carnots and Kaiserins were also looking in excellent condition. In the carnation houses Cartledge and Silver Spray were giving a good account of themselves. The whole stock seemed to be in a condition to swell out the owner's bank account after the Christmas sales.

A short visit to E. A. Seidewitz found him wearing that pleasant look which he always assumes to visitors. Everybody seems busy cleaning up after the Christmas rush. Ernest Ashley.

CLINTON, IA.

The Christmas trade here was much better than last year, about everything in the flower line selling well. Holly wreaths seemed to be in greater demand than previous years. The retail prices for Maids, Brides and Perles were $2 to $2.50 per dozen. Meteors brought $3 and some Beauties were sold at $12 per dozen. Carnations retailed at from 60 cents to 75 cents per dozen. Scott and Rose Queen are doing fine. Jubilee is a favorite red.

J. R. Bather will build a violet house 15x90 feet next spring. D.

A NEW ONE.

Send "a dozen pink or yellow Chryasumphj."

I think the botanical name of the "Queen of Autumn" is the most difficult one the general public has to struggle with; and as you have often published queer orders, I wish to contribute the one above, which is *bona fide*, and came in the course of business from one of our so-called best families.

In response to it we sent a dozen chrysanthemums. W. T. B.

Greenfield, Mass.—Mr. E. B. Beals reports the best Christmas trade in ten years and that he is exceedingly well pleased.

Ficus Elastica

$25.00 FOR 100 FEET.

Young Plants, top cuttings, in 3-inch pots, three to six leaves, **$15.00 per 100.**

ALSO....

Canestakes

Ten to twelve feet, at **$3.00** per 1,000; **$25.00** per 10,000.

CASH WITH ORDER...

A. C. OELSCHIG, Savannah, Ga.

SIMMONS'

New Light Colored **CARNATION**

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

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Per Dozen	**$5.00**	**Per Thousand**	**250.00**

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The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

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Palms and Ferns—We grow them and guarantee safe arrival by Express.

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Experiences with Carnations

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Correspondence solicited.



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Lily of the Valley, Berlin. Per case 2500, $23.50; $10.00 per 1000.
Gladiolus "The Bride." For forcing, 60c per 100, $5.00 per 1000.

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Rooted cuttings of both standard varieties and novelties at popular prices

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NEW CARNATION, **"Empress"**

The largest bright-rich Crimson yet introduced. Price, **$10.00 per 100.**

Send for Price List of Standard Sorts

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STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 100; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

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LONDON, ONT.

Christmas trade was an unprecedented rush. It was ideal weather speaking from a seasonable point of view, but it was hard for the poor florists to deliver plants with the mercury 4° below zero on the 24th.

Year by year we have been able to report an increase of from twenty-five per cent. to forty per cent. and this year is no exception; again we report an increase of twenty-five per cent. over last year, and it would easily have been 100 per cent. had we been able to supply the demand for cut flowers. The supply of roses was larger than last year, but carnations were short, other flowers about equal to last year.

The demand for flowering plants is gradually increasing; a large number of people would rather pay $1 or $2 for a good little azalea, cyclamen or begonia, than the same amount for a dozen roses—for a present, and they are certainly a more acceptable gift in most cases.

W. G.

WHEELING, W. VA.

Christmas trade here has been the best in many years, there being more flowers handled than ever before on Christmas. Prices ran high both in cut flowers and pot plants.

The demand for large palms was limited while for smaller palms, araucarias, dracænas, etc., it was excellent. If there had been twice the amount of primulas and azaleas they could have been disposed of at a high price. Fern dishes sold well.

The demand for holly was sixty per cent. better than former years. Mistletoe was not in demand as the stock was very poor. Greens and wreathing could not be had at any price the day before Xmas as all stores were cleaned out. Several of the florists have a number of orders booked for New Year's. H.

A FLORIST PHOTOGRAPHER WINS A PRIZE.

Last season the Pope Manufacturing Co. offered five prizes for photographs of bicycle subjects of a character suitable to use in illustrating their catalogue. The *L. A. W. Bulletin* for last week contains reproductions of the first and second prize pictures. The first prize, a Columbia Tandem, valued by them at $150, was awarded to W. T. Bell, of Franklin, Pa., one of our contributors. The paper says: "Hundreds of pictures were offered in competition, and it was with the greatest difficulty that the judges were able to select the prize winners."

TO SECRETARIES.

Secretaries of horticultural associations, clubs and societies in the vicinity of Greater New York will confer a favor by mailing to us dates of their meetings and any useful information for the benefit of the craft. Harry A. Bunyard, 56 Pierce Bldg., 105 Hudson street, New York City.

READY NOW. Japan Lily Bulbs
IN THIRTY VARIETIES

SURPLUS.. LILIUM LONGIFLORUM
5 to 7-inch. Extra fine bulbs, per 1000, $12.00, net. ORDER NOW.

CYCAS REVOLUTA STEMS
for spring delivery. Also Japan Maples, Iris K., Tree and Herbaceous Pæonies, California grown Flower, Shrub and Tree seeds.

...PALM SEEDS...
Cocos Weddeliana, Musa Ensete, Phœnix, Kentias, etc. Asparagus Plumosus Nanus.

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THE CHOICEST VARIETIES IN CULTIVATION.
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MILWAUKEE.

Resume of Business for '97.

A happy and prosperous New Year is extended from Milwaukee to the readers of the FLORISTS' REVIEW. To sum up business for the year in the florist line it is needless to say that it has gone considerably ahead of last year. The depression of trade which prevailed the past few years seemed to have vanished, so 1898 should be welcomed in and pushed for all it is worth. The most notable feature of the trade is that fine stock is wanted in preference to inferior grades without consideration of price. There was very little done in the way of building, so the local supply has been about the same as former years. Let it be hoped that the coming year will also show an improvement in this line to keep up with the increase of business.

However, great changes are noticed in the retail stores. Messrs. Currie Bros., Whitnall Floral Co., Miss McKenney and Wm. Edlefsen all have remodeled their stores, making them up-to-date florist establishments. The plant trade shows a remarkable increase. Decorative stock and fine flowering plants are in constant demand. New Year's trade was largely confined to violets and choice colored stock.

The advent of '98 is also the third anniversary of the firm of Ellis & Pollworth. This firm, although comparatively young in the trade, is old in experience, having served over five years' apprenticeship in the Wisconsin Flower Exchange, which later sold out to Hunkel & Holton. They now control, in addition to their large down-town quarters, a range of glass which is exclusively devoted to the growing of decorative stock in variety, which is unexcelled in the west.

Among the Growers.

F. P. Dilger and Nic. Zweifel are carnation hobbyists, and their success is attained by giving them their exclusive attention. Herman Schwelka grows chiefly roses, but his violets and carnations are also doing well. Archie Middlemas grows a large variety of both cut flowers and bedding stock. Jacob Freytag's place, under the supervision of William Freytag, is also well stocked with fine plants and decorative stock. William Edlefsen looks after his two places, one for growing cut flowers, the other for plants, and keeps his down-town store supplied with fine stock, which is presided over by Misses Maggie Edlefsen and Rose Semler. Binzell & Kellner, the latest new firm, are doing well, and report their first holiday trade beyond expectations.

Notes.

The effort to organize a bowling club fell through. There are a few enthusiastic bowlers among the craft, but not enough to keep up continued interest in the game. William Currie and Ben Gregory are enthusiastic curlers and devote some of their spare time to this sport.

Nic. Zweifel, who has been quite sick, is again able to be out.

Start in the New Year right. Bury the hatchet, help your neighbor, be on friendly terms with your competitor, which is a mutual benefit to you all.

GEO. WASHINGTON.

HUNT'S REVIEW OF THE CHICAGO MARKET.

New Years brought considerable business but of course no such rush of stock or trade as Christmas. Stock was better, being all fresh, better color being especially marked. Carnations were more plenty and demand fully up to supply. All stock sold freely though at much lower prices than prevailed the week previous.

No especial shortage and but one surplus line viz., violets. Friday, the 31st, the market was fairly flooded with first class violets, and demand seemed lighter than at any time this season. There were probably more in town that day than there had been up to that time in any whole week previous.

Since New Years little has happened out of the ordinary run. Daily receipts average medium in quantity and high in grade. Supply while not particularly active is sufficient to clean the market up fairly well each day and prices realized, considering the time—the reactive period—are good.

Bulbous stock moves slowly, but as the supply is light the loss, if any, is very slight. Roses, except Beauties, are few, Perles being in shortest supply. Beauties seem to be off—all indications are that they have reached a low point and from now on will steadily improve.

Carnations good and daily getting more plentiful. Violets coming in good but irregular—a surplus one day and a shortage the next. The greatest need is for more small stuff—marguerites, stevia, alyssum, forget-me-nots, etc. These sell readily at most times and particularly so at present.

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IN NEXT ISSUE will appear an account of Jaggs' experience with pirates.

THE "Story of an Emigrant Florist" will be continued next week.

WE ARE PLEASED to be able to say that Mr. Scott is much improved and the Buffalo notes and "Miscellaneous Seasonable Hints" in this issue show that his pen is not idle.

THE FLORISTS' REVIEW aims to tell you what you want to know and not what somebody else wants to tell you. If you want information that has not appeared in our columns please write us about it. We will get the information for you if it is obtainable.

WE HAVE not yet fully caught up on the mailing of certificates to subscribers, but are now only four or five hundred behind. The work of making the various entries in our books, in addition to the filling out of the blanks, is very considerable, but we are gaining rapidly now and hope to soon fully catch up with our list. Please be patient if there is some delay in mailing your certificate.

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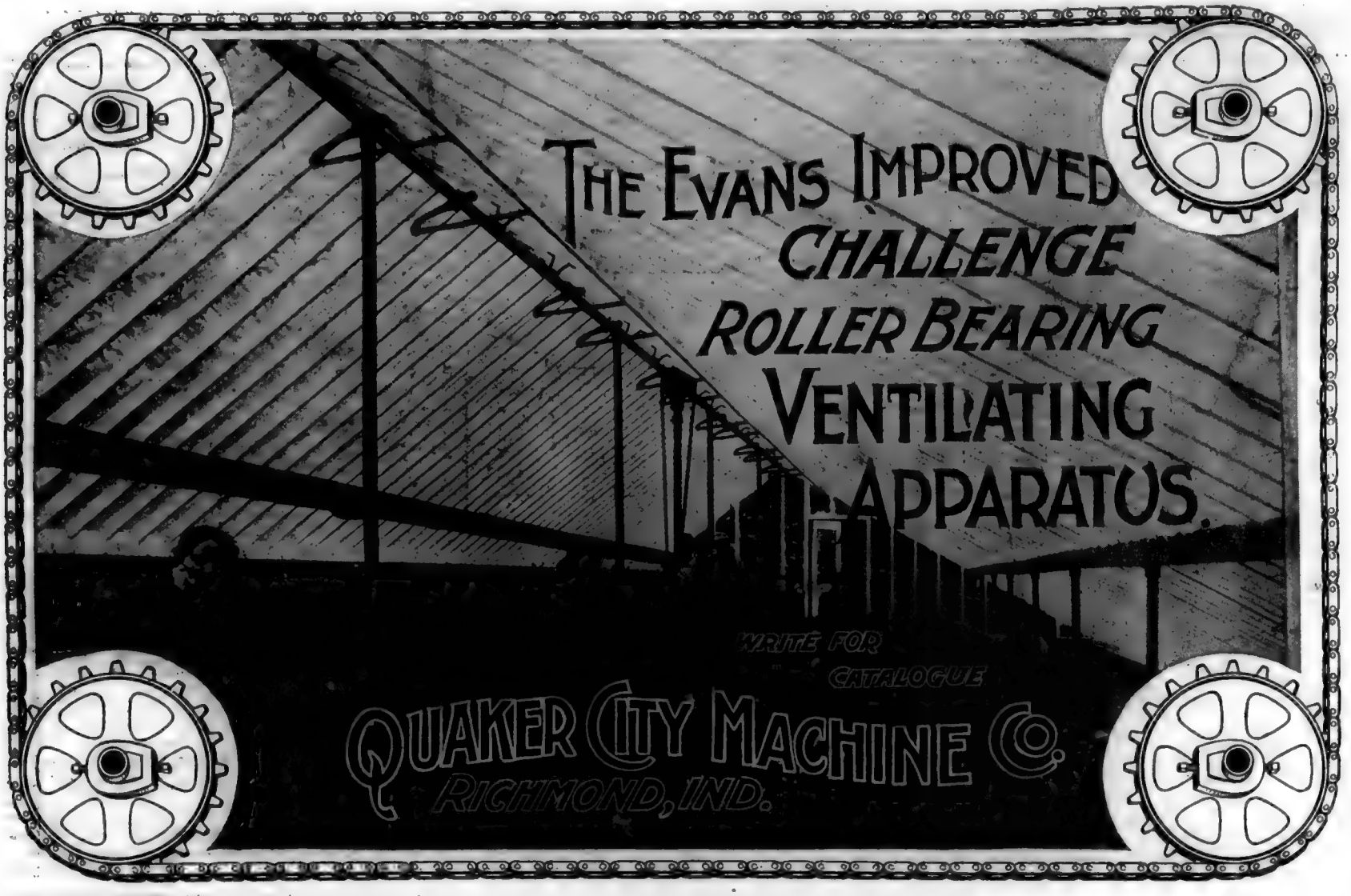
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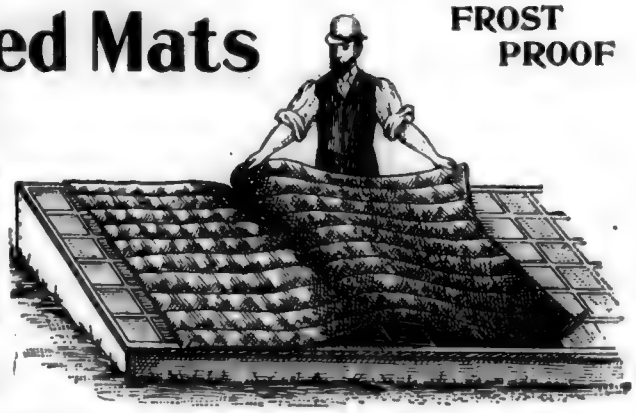


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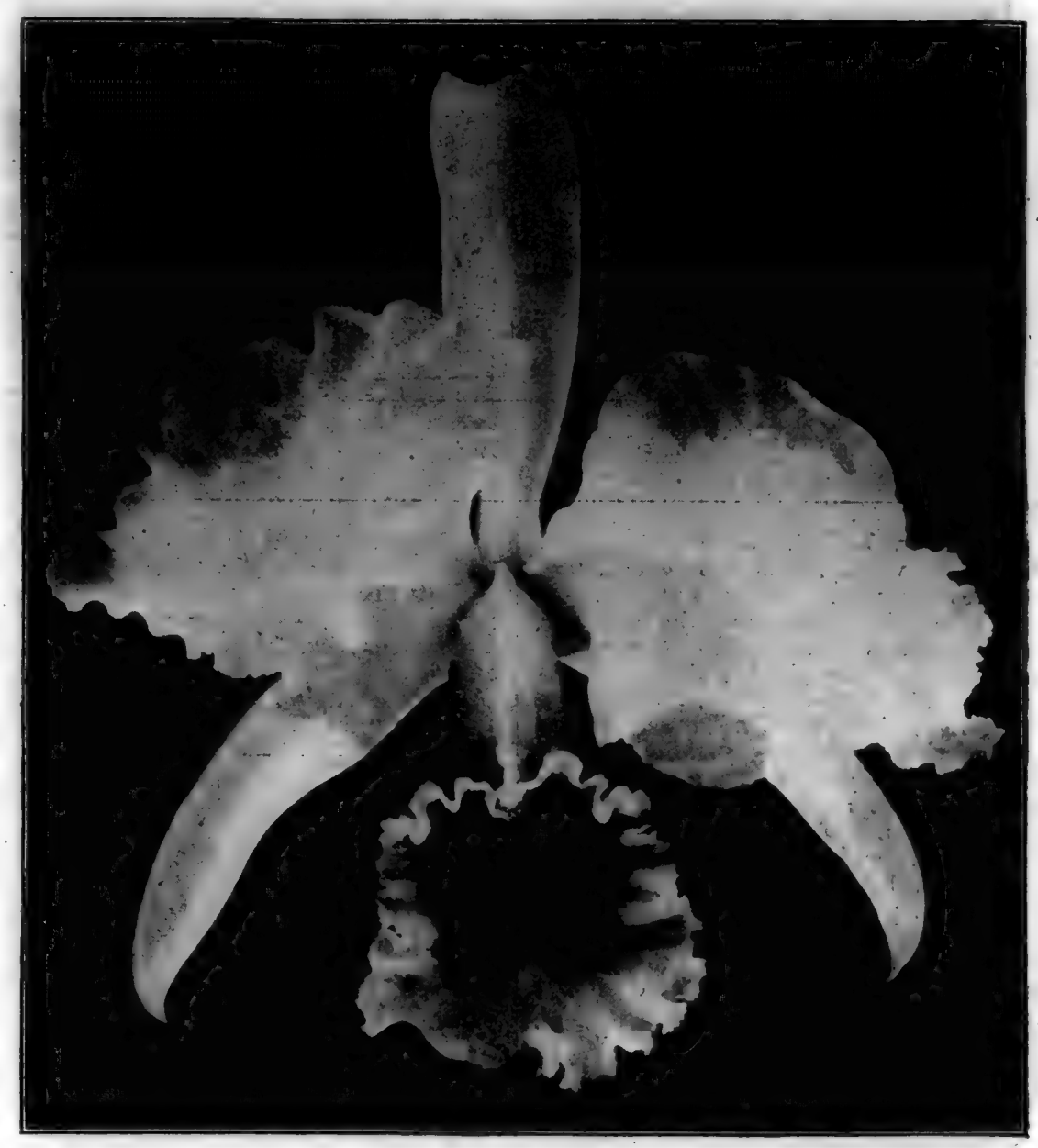
Vol. 1. CHICAGO AND NEW YORK, JANUARY 13, 1898. No. 7.

CATTLEYA NOTES.

During the past month, or I should say, since the supply of C. labiata flowers have somewhat fallen off, and before C. Trianæ got fairly under way, the demand for cattleya flowers was quite in excess of the supply, and I have no hesitation in predicting that another year the scarcity will be more apparent, unless the producer endeavors to fill up the gap by the addition to his stock of some varieties that will flower during the interval. Of course you hesitate because no one but the select few can indulge in such exuberance, but the scarcity occurs just at a time when those few are in a mood to entertain, and of course they want, in fact will have, something to adorn their boudoirs and dinner tables, that cannot be procured at street corners or sidewalk floral establishments; be assured the cattleya will be called upon, even to the verge of extravagance.

My intention here at present is to call the attention of the growers to somthing that will put them in a position to meet those demands. Before you proceed, it would be well to consult some old cattleya grower on the merits of Cattleya chocoensis. He may look a little wise and say, "That's no good, it doesn't open its flowers, etc." However, I would advise you to acquiesce with the usual smile or nod, as cattleya growers are all cranks, you know, and have no use for a flower unless it's "just so." But the consumer will have use for this one, and Mr. J. E. Lager, of Lager & Hurrell, must have had an eye to this fact, for when out collecting a year or so ago, in direct opposition to the accepted ideas of his firm, he shipped a quantity of this beautiful cattleya home. This variety is somewhat companulate in the formation of its flowers; by which I mean, they appear only half open, the petals not spreading out as those of other species, but I do not consider this detrimental to its commercial value.

When calling recently at Lager & Hurrell's, I noted two plants in flower, and



Cattleya Percivaliana.

though showing a little of the characteristic mentioned, were certainly flowers that no florist would decry or refuse to handle. The typical color of this cattleya is pure white in sepals and petals, with crimson of varying degrees of intensity in the lips The pureness of the white parts of the flower alone, gives it



Cattleya Maxima.

particular value for decorative work. And pure white forms of it occur, too. Of the two plants I saw in flower, one was pure white with not the slightest suspicion of any other shade except the usual yellow rays in the throat, which occur in all white cattleyas. One more point in its favor is its fragrance, which is very rich and strong, yet not oppressive. There is yet another form, C. Percivaliana, but alas, the cattleya grower objects again. "It is not big enough," he says. True, it may not be so large as Hardyana, but the color is superb, the sepals and petals a deep blush, the lips intense magenta crimson, and the pencilling in the throat something marvelous; and is, I consider, a most desirable variety.

There is still another variety worth noting, C. maxima. The old man may again chime in and say that the variety belies its name, but if it does, you have *multum in parvo*, as it generally throws from five to ten flowers to the spike, which you must admit is quite as conspicuous as two or three larger flowers. The color and markings in this form are all that could be desired by the most perk connoisseur. The sepals and petals of this variety are a bright rose, and the lips are richly variegated, after the style of C. Mossiæ, with dark crimson veins through the center ground color.

With these three varieties in stock, you will not be obliged to hurry forward your Trianæs or retard your labiatas to strike any desired date with flowers.

J. ROBERTSON.

Madison, N. J.

DENDROBIUM FORMOSUM GIGANTEUM.

Dendrobium formosum giganteum is the dream of all orchidists who are at this time evoluting the lists of orchids for cut flowers. Its broad sepals and petals and their pure marble-like whiteness with a delicate suffusion of orange color down the center of the labellum, are its charming qualities; added to these is the size of the flower, it being equally as large as an ordinary cattleya bloom. Such a beautiful flower as this should captivate the most inardent lover of flowers, not forgetting the all important question, "does it pay?" Yes, I can candidly say it does. The blooms are now bringing thirty-five cents to fifty cents in New York, and should not sell for less elsewhere. It has come into prominence as a cut flower within the past few years. This can be attributed to the large importations having been sent here from its native clime by enterprising European firms. It's the old story so often told, "put a good thing on the market and it will soon find a place for itself."

The great question occupying the attention of every one is how to get it there in sufficient quantities to make it profitable. Each plant with one flowering growth will help you solve the difficulty. It is problematical how many flowers each growth will give. This depends entirely upon how well you succeed in their culture. I have seen them produce from one to seven flowers. One need not be a mathematician to arrive at the exact profit to be derived from a few thousand plants.

The space that each individual plant occupies is another matter for thought. The pieces now being sold do not occupy more than six square inches, suspended or standing on the benches. It can be readily seen how many plants can be established in a small house without being overcrowded.

Then again the profitable part of the investment depends upon the original purchase price and the much discussed problem, "Cost of production." In these "cut rate" times they can be purchased at a ridiculously low figure; that is if you have the cash to put down; otherwise it is a hard matter to expect to secure stock of this character, costing as it does large sums of money to send expert orchid collectors to the far East, oftentimes with indifferent results and great financial loss attending the venture, and the frequent physical collapse of the men who are so overwhelmed with enthusiasm to risk their lives for the sole purpose of pacifying our ardent love for those floral jewels of the forests. The cost of growing in my opinion would not be more than a house of roses of similar dimensions, after the stock is established in the house.

The first and most important point to consider, is to get sound, healthy, imported plants to begin with. Half of your imaginary battles are then fought and won. This has been demonstrated by every grower of this nigro-hirsute variety for several years. I think the method adopted by J. M. W. Kitchen, East Orange, N. J., is an admirable one (he has applied for patent). It is a box an inch deep and six inches square; in the center is a beveled block; through this is a wire by which it can be suspended, and at the same time used as a support and to tie them firmly, which is a necessary adjunct to their successful cultivation; a small quantity of fern roots or fibre wired in the box to serve the double purpose of holding moisture and allowing material in which the plants can establish themselves.

It is not necessary to confine yourself to this idea, as blocking or basketing will answer the same purpose. Independent of these conditions while growing, moisture and light are the foremost factors in producing strong pseudo-bulbs which will give profitable quantities of large flowers. Last, but not least, the temperature will make or mar the destiny of the plants and the "almighty dollar" invested in them. I would suggest close



Bed of Mrs. E. G. Hill Geraniums.

attention be given to these facts to cultivate this most beautiful species and to make it financially interesting.

Short Hills, N. J. F. L. ATKINS.

BED OF MRS. E. G. HILL GERANIUMS.

The accompanying engraving shows in the foreground a bed of the semi-double salmon pink geranium Mrs. E. G. Hill as it appeared at Lincoln Park, Chicago, last summer. Mr. Stromback considers this geranium one of the best of the pink varieties. The habit is nearly as strong as that of Bruantii and it not only blooms with great freedom but carries the flowers well above the foliage and stands the hot weather well.

The bed is bordered with Alternanthera latifolia, whose foliage is chocolate colored, with rosy tips. It grows about eight inches high and makes a good border. Method of propagation is the same as that of A. latifolia aurea. The bed of Caladium esculentum in the background is bordered with Coleus Verschaffelti.

COMMERCIAL AMARYLLISES.

A request has been received for a few notes on commercial amaryllises such as "Johnsoni", vallota purpurea, etc., but the mere suggestion to bring these forward to public notice prompts me to ask whether having regard for all that has been done by hybridists on the other side in raising improved and very fine types, we should not avail ourselves of these and by growing them, more rapidly achieve the desired end. Someone may question the desirability, but he who would do so can hardly be cognizant of the vast strides that have been made along the path of improvement, the magnificent varieties that now exist by the hundred.

These of course are high priced and outside the pale of profitable commercial spheres, but they represent the selections from the strain as it exists to-day and amaryllises can be raised by the thousand from seed only slightly inferior in point of merit and of such great beauty that they would assuredly sell on sight, being choice to a degree and showy beyond measure. Why, the hybrid amaryllis of to-day embrace so wide a range of color that you can have them in all the gradations of shades from a crimson, that will vie with that of the Meteor rose, down to almost white, the flowers produced in clusters of from two to five at the top of a stout stem, varying up to two feet in height. One could neither imagine nor desire a more gorgeous flower for cutting and in this respect it meets the requirements of the cut flower trade here, with its fine stem which makes it amenable for decorative use in a bold and striking manner, added to which the flowers are enduring when cut.

For the benefit of some readers who may not know the amaryllis, I may remark that it is a bulbous plant and has an enormous root, as large or even larger than a man's fist when fully grown. The wild species, some of which will be enumerated later, are mostly natives of tropical America, growing chiefly in Brazil. Some of these wild species have been in cultivation in European gardens 200 years or more, and are so mixed up in the latter-day hybrids that no one would venture a decided opinion as to their exact parentage. That is a matter of the past and of incidental interest only, but I am convinced that very much might be done with these flowers as we can have them in the present day. Further, their season of flowering is the season when flowers are in great demand, from Christmas to Easter, so here again is afforded a grand opportunity to grow something that will be a break-away from the conventional lines.

Seedlings.

To work up a stock from seed may at the outset appear a slow and tedious process, with a long and weary waiting for results. I admit this is so to some extent, and not a few good things are of slow growth. There is this assurance, that when you have raised your bulbs and brought them to the flowering stage, you can keep them afterwards with proper attention. They have not to be discarded as you would a tulip. Once you have a stock of flowering bulbs, the raising of a batch of seedlings gives a zest to the cultivation and by a process of weeding out one could work up a strain to a high degree of perfection.

The best time to sow the seed is immediately it ripens, which is during July, but as the beginner must of necessity purchase the seed, the early months of the year may be chosen. Although the seeds appear of fair size, the actual germ is small, being protected by a silky integument, and when sowing them let it be in pots or pans of fine sandy soil. Place each one individually a little apart, and if the seeds are slightly pressed in the soil, edgewise, and kept in this position, it will conduce to securing a larger percentage of growth, as when lying flat the seeds are apt to absorb too much moisture and rot in consequence. A pane of glass over the seed pot helps to check evaporation, and when sowing operations are complete, if the pots can have the assistance of bottom heat to the extent of 80°, the seeds will soon germinate. The overhead temperature should not exceed 60° by night, with a proportionate rise by day, and as soon as the seedlings appear they should be inured to full light and airy conditions.

If the seeds have been sown as advised, a little apart from each other, there will be no need of disturbing the seedlings til

they have made three or four leaves and the bulbs have commenced to form as well. Just as soon as they reach this stage, pot them off singly in well drained 2½-inch pots, being careful to press the soil good and firm about the miniature bulb, which should be at a depth so that its neck is about on a level with the surface soil. From now onwards they must be kept growing briskly and as soon as they have filled their pots with roots, be shifted on into a larger size, 4½-inch being usual, but the careful grower may expedite progress by saving an intermediate shift and put the plants into 6-inch pots direct.

Plants from seed raised as here advised should be kept growing summer and winter until they reach the flowering stage. Ordinarily the amaryllis rests completely several months of the year, but the young ones must not be subjected to any resting conditions before the second summer of their growth. As autumn approaches, the treatment should be with a view to ripening the bulbs by admitting air freely, and gradually withholding water throughout the winter after the leaves have ripened and fallen, and keeping the plants at a temperature of from 45° to 50°. This treatment is for strong bulbs, capable of throwing a flower spike. If there are weaklings in the batch they had better be withdrawn and kept growing on for yet another year.

When once flowering bulbs are secured the annual treatment is a matter of routine. After the usual rest the bulbs must be started again, January being the usual month. The bulbs should be turned out from the pots, all or nearly all the soil shaken off, and the bulbs repotted in a good compost of three parts loam and one part thoroughly rotted manure, size of pot being governed by size of bulb, 6-inch and 8-inch being the best sizes. Very little water will be required at the start, and the flower spike or spikes will soon appear pushing upwards from the base of the bulb, and in advance of the leaves. In a general way a batch of plants may be brought into full flower in eight weeks from starting them. Bearing this in mind when one has a large stock it is possible to have success on all batches to a limited extent, starting some as early as December and deferring others until March.

As before remarked, the flowers come first, the leaf growth afterwards, and there must be no abatement of interest or lack of attention when the flowers are cut or faded, as the grower from then onwards has to lay the foundation, as it were, for the next season's blooming; so active growth must be maintained on into the month of August, from then to September conditions favorable to ripening must prevail, and then comes rest in a slightly lower temperature.

To sum up in brief, there are six months of active growth and two months of preparatory treatment for the four months' total rest. These seedlings will of course show the fullest range of variety in color, somewhat also in form and more or less likewise as to flowering propensities. While all should give a spike of several large flowers, some bulbs may give two, and a few will develop three, as one I once saw exhibited having sixteen large flowers.

So far these details of treatment apply to raising stock from the seed strains at present obtainable in the seed trade, but there are some really good species that have been more or less popular in cultivation, as Amaryllis aulica, from Rio Janeiro, at one time greatly prized for its beauty before hybrids became numerous. It has very large flowers of a rich crimson color with green base. A. reticulata, from Brazil, is prettily colored in pink and white. A. Ackermanni, rich crimson, and A. vitatta, white, striped with red, are two parents that have contributed largely to the hybrid race. I must not forget A. Johnsoni, granted specific rank, but in reality one of the earliest hybrids and a fine variety still, to be recommended for its robust growth and free blooming, its flowers deep red with a white band down the center of each petal or segment of the flower.

South Africa has given us a fine member of the amaryllis family in Vallota purpurea, and surely it is worth while working up a stock of this for commercial purposes. Although belonging to the same family it is evergreen in character, therefore demands some modification of the treatment before indicated. In its culture it must never be subjected to complete resting conditions, nor does it need annual repotting. It increases freely by offsets, can be grown on into magnificent specimens and flowers most abundantly when large, old and pot-bound.

There is beside me as I write a picture of a large specimen that had been photographed, fifty-three spikes of blooms each having from five to seven flowers. They are fully three inches across and their color is bright red. The vallota has been in cultivation over one hundred years, so that a quantity of it should be easily procurable, and I believe bulbs can be imported from its native haunts. Ordinary greenhouse temperature suits it at all times, with abundance of water during the spring and summer months. It flowers late in the fall and at this period might be made of considerable service to the florist. During winter it may be partially rested with a diminished water supply, but at no time should it ever suffer for want thereof.

Sprekelia formosissima, another handsome member of the family, is now more often called Amaryllis formosissima but the first is an old garden name and is likely to linger longer yet. It is a native of Mexico, from where it was introduced to Spain in 1593, while Parkinson wrote of it as the "Indian daffodil with a red flower." The Dutch grow this in large quantities and it is easily procurable at a cheap rate, while the bulbs planted out in spring flower shortly after. It can be grown in pots, however, and might be found a useful flower for the latter part of spring, when some novelty is welcome. Under pot culture its treatment would be much the same as that for the hybrid amaryllises, resting it completely in winter, while after flowering in spring the plants might be removed to some frame or simple outside structure wherein to complete and ripen their growth. The flowers are of a uniform rich dark crimson hue, about five inches long, but rather less in width, the two lower segments of the flower having their bases enfolded, imparting to the flower an unique form both quaint and pretty. The flowers usually come singly on a stout stem a foot in length.

A. Herrington.

Madison, N. J.



ROSES

THE AMERICAN BEAUTY.

No better Beauties come to the Chicago market than those grown by Mr. E. Buettner, Park Ridge, Ill. Mr. Buettner is now propagating his plants for next year. He uses cuttings with from two to three eyes. He prefers these to one-eye cuttings because they carry the foliage higher above the sand, and because there is apt to surely be some foliage left to support the cutting in case some should drop. And he finds that the longer cuttings root more freely and make better plants. Beauty cuttings drop their leaves easily and a cutting without at least one leaf remaining is considered worthless by Mr. Buettner. He knows that some growers pot up the bare poles if they have roots, but he doesn't want any such plants in his. He is not particular as to what part of the plant the cutting comes from so long as the wood is ripe but not too hard.

He pots the rooted cuttings into 2½-inch pots and these are later shifted to 3-inch; and probably the earliest propagated are shifted to 4-inch before planting out time, which is about the middle of June. Thrips are the greatest pest the Beauty grower has to contend with. They can be kept down only by frequent fumigation, which must be thorough and not less often than



Livistona Rotundifolia.

twice a week. The insects attack the flower bud when very young and tender and the injury results in malformed flowers or "bullheads." If the attack comes when the flower is partly developed the outside petals are blistered. The American Beauty seems to be especially attractive to thrips and Mr. Buettner fumigates his Beauties more frequently than other roses on that account. Of late years he has vaporized tobacco extract instead of smoking, and has found this as effective and better than smoking, and just recently he has vaporized Nikoteen with good results. He is now experimenting with the Nikoteen paper. He thinks this may be useful in summer time when it is less convenient to heat irons for vaporizing. He uses the hot iron method of vaporizing. Pans of the tobacco extract or Nikoteen are placed in the house and then a hot iron dropped in the liquid.

He finds that thrips are most troublesome in hot, dry weather. He has had houses apparently quite free from thrips, which after a few days of hot south wind in May would be suddenly alive with them. Such a condition must be met by thorough fumigation or vaporization not less than three times a week until the pest is subdued.

He notes that the plants in the coolest end of a house of Beauties set buds first, and finds that a house of blind Beauties can be forced into bloom by keeping cool and on the dry side. A grower who had kept his Beauties too warm and whose plants were all blind, acted upon his advice as to keeping cool, but gave too much water, and failure was the result, but later when both conditions were observed there was a fine crop of flowers.

Mr. Buettner also prefers two or three eye cuttings of Brides and Bridesmaids, for the reason that the long cuttings have more foliage and there will be enough leaves left in case some should drop while the cuttings are in the bench. He always uses blind wood for cuttings. The wood must be ripe, but not too hard.

LIVISTONA ROTUNDIFOLIA.

Though not actually a new species, it is only in the last few years that the dwarf Fan Palm, as Livistona rotundifolia is frequently termed, has become available as a regular trade species, this condition depending in a great measure on the supply of seed and the readiness with which it may be germinated, other necessary qualifications being assured.

In the species here illustrated the necessary good qualities of beautiful form and color, combined with moderately rapid growth are all present, and while the supplies of seed offered have been by no means excessive, yet enough has been received to bring this palm into deserved prominence before the plant-buying public.

The fan-like leaves of L. rotundifolia are nearly circular in outline, but divided into a large number of narrow segments, the latter being split or bifid at the tips, a characteristic common to the leaflets of livistona. The leafstems are stiff and armed with strong, recurved teeth, that are usually brownish in color, and the base of the stems is more or less surrounded with brown fibre, this being more noticeable as the plant attains age.

In habit this plant is compact, and for trade purposes is most useful in 4 to 6-inch pots, though it also seems probable that a market would be found for well grown specimens of somewhat larger size, were they to be had. In its native habitat, the Malay Islands, L. rotundifolia grows to a height of fifty to sixty feet, and produces leaves five feet in diameter, the leafstalks also becoming six or seven feet long, from which it will be seen that the dwarf habit of its juvenile form may be altogether missing in the mature palm.

The seeds of this palm are about the size of large peas, and nearly round in form, and when fresh seem to germinate about as freely as those of its relative, Livistona chinensis, (Latania Borbonica) providing they are sown in light soil, kept moist and given moderate bottom heat.

The young plants of L. rotundifolia are somewhat susceptible to over-watering, especially during the winter, but should be syringed thoroughly to discourage red spider, the latter being a likely pest in a greenhouse kept at 65° to 70° at night, which seems to be about the right temperature for this plant when small.

W. H. TAPLIN.

WORK FOR FLORISTS' CLUBS.

The following was read before a recent meeting of the Morris County Florists' Club by Mr. John Jones:

MR. PRESIDENT AND GENTLEMEN:—I wish in a brief way to make a few remarks on the past and future of our club, and to make a few suggestions for its benefit.

First. I propose a vote of thanks to the officers who have worked hard from the first to make our club a success, and also to the many friends who have backed us up so liberally with their gifts and encouragement.

Second. I propose that the members bring any grievances they may have before the club at its monthly meeting to settle any disputes, and so understand one another and let good fellowship prevail.

Third. The club should be made as helpful as possible to all. I think the club should be made a medium between those needing help and those needing employment. A question box and one for information.

Fourth. Members in the trade could present samples and price lists, and should be patronized as far as possible instead of non-members.

Fifth. The club should be a purchasing bureau, furnishing its members with supplies at wholesale rates.

And now, gentlemen, all we need to make us successful in the future is unity; with this we need not fear millionaire florists or anybody else, for we are strong. Without unity no club ever did or ever will stand. We must be prepared to meet with differences of opinion and to give in sometimes for the general good of our club.



THE TRAIL OF THE PIRATE.

The night fireman sat on the edge of the potting bench, studying a back number of *Reynolds' Newspaper*. After a week of incessant fog, during which the "old man's" opinion of the weather and its effect upon the Christmas rose crop, as expressed around the houses had been sufficient to keep the entire establishment warm, a sudden blizzard had lowered the temperature, and night firing meant hard work. The door opened with a crash, and the men, fresh from supper, streamed in, stamping the snow off their boots. Marmaduke, the parrot, retreated upon a pile of flower pots, keeping one watchful eye upon Tommy Atkins, who had threatened his life since catching the disreputable bird in the act of burying his favorite pipe in the sulphur barrel. The men settled down in easy attitudes on the assortment of boxes and barrels that formed their usual seats, and Tommy reached out towards the fireman, remarking: "Give us 'old o' that there paper, and let's see if some 'un aint died and left me a fortune or somethink. Blessed if 'ere isn't a yarn about some chap as dug up a box o' gold, down along shore. Pirates, I s'pose, or that there Spanish Harmady, or somethink."

"I once made somethink out of a pirate myself," observed Jaggs, who had possessed himself of the fireman's pipe, which he was now filling with the Scotch propagator's tobacco. "Can't none o' you chaps offer me a light for my pipe?"

"I reckon as the pirate business would be right in your line," observed Tommy Atkins, who was softly whistling "Mrs. 'Enry 'Awkins," while he dissected a brown jean apron for the purpose of making some needed repairs to a suit of blue jean overalls.

"Confound you, that's my apron," wrathfully interjected the horticultural graduate.

"Never mind, old chap," was the soothing response. "There's 'eaps o' sackin' lyin' around, as 'll be lots more perfessional than this 'ere nussmaid's apron as you've been wearin'. What was you sayin' about pirates, Jaggs?"

The horticultural graduate retreated to the sphagnum barrel, where he sat studying an experiment station report with an air of ostentatious culture. He glowered angrily at Jaggs, who, after advising him in a tone of paternal affection to "drop that there Laura Jean Libbey truck and read somethink as 'll elevate yer mind a bit," began to discourse upon the subject of pirates.

"I reckon some o' you chaps may remember the old Bloomfield place down in Jersey? Old man Seden sent me there when I first come to this bloomin' country. They wanted a chap as could show 'em how to grow orchids. They say as it was a fine chance for a chap as wanted to get along, and wages wasn't no object. They wasn't neither, because there wasn't nothink a chap could spend 'em on within ten miles. Any o' you chaps know that country?"

There was a momentary pause, broken only by Marmaduke, who appeared to be talking in his sleep, and Jaggs continued:

"The greenhouses wasn't more than half a mile from the bay, and somewheres down that bay they say as one o' them bloomin' pirates as used to go picknickin' around doin' a salt water holdup has buried his whole lay-out. The folks say as the old chap buries one o' the men along of the stuff to look after it, not takin' any stock in savin's banks, and as he gets it in the neck from a man-o'-war the very next time he tries one o' his little excursions, he don't get a chance to dig it up."

"And I suppose you believed that yarn and tried your luck at digging," observed the horticultural graduate with an air of friendly pity.

Jaggs filled up his pipe again, and continued, ignoring the last speaker with wellbred composure.

"There was lots o' chaps rockin' around the shore as tries diggin', but mostly they gets scared off, thinkin' as some o' they pirates doesn't stay buried, and goes prowlin' around nights. Then the yellow journals has a shy at it, tellin' about casks of gold as the piners along shore is diggin' up, and a lot o' chaps from the city comes sneakin' around nights, exercisin' with shovels down on the sand. One night I was on duty, I see a light down by the creek, and I says to myself 'There's another o' they amerter pirates,' and I thinks as I might give 'em a little song-and-dance on my own hook. So I picks up a few things as I think may come in handy, and then me and Rags, the boss's bull terrier, strolls down to the shore. Pretty soon I hears the pick and shovel goin', and then I just drift into a clump o' scrub cedars, feelin' as I hadn't better break into the chorus till I gets my cue. There was three chaps diggin', and one as was bossin' the job, with a little terrier sittin' by, lookin' as though he hadn't much opinion o' the outfit. I didn't mean to make my deboo for a while, but bein' cramped a bit from standin' I drops a piece o' chain as I was carryin'. You see, the old pirate was hanged in chains, they say. The chaps as was diggin' say, 'What's that?' but no one says a word, and they go right on, when Rags took a notion to go on and take in the show himself. You see when I start out, I thinks as a brindle bull terrier don't show up agen the landscape after dark, so I hunts up the old man's phosphorous bottle—what he uses to kill rats with—and touches up Rags's complexion. Lor', you never see such an Aurory Borealis o' a dog! The chaps as was diggin' gives one look at Rags, and I reckon as phosphorescent dogs wasn't much in their line; then I jollied 'em a bit by clankin' my chain and givin' a few groans and the whole outfit makes a beeline for their boat. I never see such sprintin.' Before they know where they was at, they was pullin' down stream, and me and Rags was gatherin' in a few souvinirs. Their overcoats was pretty good and so was their shovels, but their lunch wasn't what I expected—mostly cheese sandwiches—and a flask as was in one o' the overcoat pockets hadn't nothink in it but raspberry vinegar—a regular con game. I drink about half of it afore I find out what it was. Rags eat most o' the sandwiches, but then he was that proud of his make-up that he'd eat clinkers or experiment station reports. I reckon as the chaps as was diggin' was some o' they yellow journalists; they say in some o' they Sunday papers how the pirate's grave was guarded by a fiery lion fourteen feet tall, and I reckon that was Rags."

"I wonder how much of that yarn Jaggs expects us to believe," observed the horticultural graduate, pleasantly.

"Well, old chap," observed Jaggs



Bunch of well grown Stevia.

with surpassing affability, "if yer mind ain't equal to believin' it all at once, you might try believin' it in sections. I hate to strain a buddin' intelleck."

There was a general chuckle, when attention was diverted by the greenhouse cat, who was discovered sneaking over the flower pots, apparently stalking Marmaduke, who, with his head bent over upon one shoulder, appeared to be sleeping the sleep of the unjust. The cat was just crouching for a spring, when Marmaduke made a sudden rush at her, ejaculating "Scat!" in a hoarse falsetto. Pussy rushed for the boiler pit with a highly electrified tail, and the last sound heard as the party broke up was Marmaduke attempting to whistle "The Streets of Cairo" very much off the key, and with a surprising number of omitted notes.

WELL GROWN STEVIA.

We present herewith an engraving from a photograph of a bunch of stevia grown by Mr. E. Buettner, Park Ridge, Ill. Such a bunch makes a very attractive addition to a box of cut flowers and is quite different from the bundle of lanky stems bearing a few flowers at the ends only, and which is so often seen. It pays to grow good stevia just as it pays to grow good roses or good carnations, and many florists are obliged to depend at the holidays upon their stevia to give the appearance of quantity to a box of flowers.

Mr. Buettner carries over about two dozen plants for stock and they are planted in a box to economize room, but they are given a light, airy place in a cool house, and are never placed under a bench or in a similar unsuitable position. There they are kept till April or May, when cuttings are taken for propagation. The cuttings formed in the cool house will be small and rather hard and these make the best plants. When rooted the cuttings are potted into 2½-inch pots and then kept in the same house as the young chrysanthemums. Later they are transferred to 3-inch pots and about July they are shifted into 4-inch pots.

Soon after this they are placed outside in an open frame, and if freshly repotted it will be wise to have sash ready to place over them in case of heavy rains, to prevent over watering. The plants remain in their pots till the latter part of September when they are planted out in a bench of poor soil in a cool greenhouse, but where they will have plenty of light. Heat and shade result in rank growth and few flowers. At each repotting the plants are cut back, merely pinching out the tip of each shoot. Don't shear off the tops if you want shapely sprays and keep the plants outside as long as safe to do so. If there is much warm weather after the plants have been benched there is apt to be too much growth and fewer flowers.

The last pinching is given about the middle of September, or shortly before the plants are taken inside. Using poor soil will help materially to avoid growth after the plants are housed. Place the plants about twelve inches apart on the bench. You must allow light between the plants to secure flowers on the side shoots. A night temperature of 50° is about right and the plants must be kept on the dry side. Everything that tends to rank growth is to be avoided. The dwarf form (Stevia serratifolia nana) is grown, and this will grow too tall and lanky unless prevented by the treatment noted.

In bunching for market the long and short stems are bunched together, the shorter ones on the outside, as seen in the engraving, so as to make an attractive bunch. And a bunch so arranged is a graceful bouquet in itself.

STORY OF AN EMIGRANT FLORIST.

III.

At the end of the walk with its trellis roof of aristolochia, we enter the old-fashioned conservatory. If it still exists it would look very antiquated with its ridge and furrow roof, and numerous broad leaden gutters. I do believe that we could now build a first-class rose or carnation house, 20x100, all complete, for what that quantity of lead cost. There were many plants in this old conservatory that will never be forgotten, and when I see them again or inhale their perfume it carries memory back forty years, as the notes of the blue bird or the piping of the frogs every spring when first heard, will carry you back to the days when you first heard them, and the scenes with which they were associated. Besides camellias, not by the hundred, but by the bushel, were oranges in quantity, sufficient to make marmalade, an old white heliotrope and near it a Gloire de Dijon rose, trained to the south side of the house, but hidden by large camellias planted in the borders. The mingling of the odor of orange blossoms (for there were always some), heliotrope, a sweet little magnolia, with the ripe fruit of the citron and orange, and many other contributions, made up a chaste sweetness that I have never realized since.

It was here that I first knew what a chrysanthemum was. They were humble flowers compared with our monsters of today, but that was a day when with the majority they were not in fashion. Another plant, now so common with us, but little grown forty years ago, was the spiræa or Astilbe japonica, and pots of our American Trillium grandiflorum, grown just as we grow spiræas and very pretty and attractive it was. In the center of one of the broad borders grew a large citrus, round, green and bitter. Perhaps it was the shaddock. Whatever it was, we boys innocently and in good faith told thousands of visitors was the forbidden fruit, the same which Adam was tempted to taste. Now and again I can remember a sly look of skepticism in response to our innocent narrative, but the great majority swallowed it. I can only say that whoever has tasted this great, round, bitter fruit, can believe that there was a good deal of coaxing as well as tempting. It must have been either sugar-coated or a reward offered, as our dear mothers used to give us a spoonful of jam after swallowing a pill to please them and incidentally for our health.

This old-fashioned conservatory was attached to the mansion, the summer residence of the proprietor, a very modest pile of brick and stone that has many years passed away. A new owner pulled it down and in a more commanding part of the grounds has built an imposing pile, a modern castle. This estate is now owned

by Sir Frederick Fitzwigram, for whom that early white chrysanthemum bears the name of his wife, "Lady Fitzwigram." But it is not of the modern place I wish to write or think of; for when I saw it last it looked to me as if torn to pieces by vandals. Old-fashioned as this modest mansion was, it has given hospitality to many illustrious lights of the nineteenth century. I remember one evening looking from the darkness of the exterior into the brilliant light of the dining room and there seeing the well pleased host, surrounded with seven of England's episcopal bishops. How rich would be a phonographic reproduction of all that was said that night over a dinner that took three hours to discuss. I will wager that theology was not the only subject introduced that evening.

Stepping out of the south door you were on the colonnade, at the west end of which were broad stone steps leading down to more pleasant walks and grounds near which stood two trees which all old countrymen know, but which are strangers to many readers of the REVIEW. They were a grand specimen of Cedrus Deodara and the Cedar of Lebanon, neither hardy in our latitude. Looking south you saw the park extending perhaps three-quarters of a mile, but before the park was reached, a beautiful lawn, studded here and there with clumps of evergreens and masses of rhododendrons, but never hiding the view of the park, the distant copse and beyond all the English channel.

In the lower left hand corner of this part of the garden was what was called the American garden, but looking back I cannot remember much that was American excepting a lot of the heather-like cranberry, which sometimes bore a crop of berries and then again as often they did not. Speaking of cranberries, we knew they made nice tarts; we also knew from early infancy that a Norfolk turkey was superior to any other gobbler from any other region in flavor and general makeup; but we had not then learned that a mixture of the two is a delicious epicurean taste. Our education was sadly lacking in things of that kind, but the acquired knowledge has not become such a fixed habit that we refuse turkey where forethought has neglected to provide cranberry sauce.

We will retrace our steps, not that we have to, for I could lead you by many interesting paths, but this is the most direct to the other glass structures. A few steps north of the ancient conservatory we enter a walled garden. No such gardens will ever be built in this country. They were most likely constructed there for two reasons. First, on account of the excellent place the brick walls offer for the training of the peach, nectarine, apricot, cherry, and other fruits. (The first of these three delicious fruits will not ripen without the shelter and warmth given by the wall.) And perhaps secondly to entirely exclude what was once called ground game, now called vermin, hares and rabbits, which are a terrible scourge to the gardener, where fruits and vegetables are grown. These fruit trees are trained against these nine or ten foot walls with the greatest of skill. Many a florist, now in business here, will remember how many a frosty morning he had to leave his bothy and march off with his bag of nails and strips of cloth to train a peach tree and he had to know how to do it. As well set Harry Bunyard to play a match of billiards with a Sexton as set a greenhorn pruning and nailing an apricot.

I said these walled gardens would never be built here, the reason simply being a geographical one. What that northern climate in summer needs we have in abundance. Sometimes a peach tree nailed hard and fast to a brick wall here would, in July and August, blister and burn; besides that it is not necessary that fruits ripen as standards. Remember, young reader, you are in the land of fruit. If you were in the tropics you could not be more so. You might there get some fruits that are scarce here, but for a large variety, the most wholesome kinds, and the cheapest cost you are in Pomona Paradisia. When you don't have the wholesome fruits of our northern temperate zone, you have the products of our southern states, the fruits of the Pacific slope and the exotic offerings of the West Indies at your door. There are millions and millions of little boys and girls, and big ones, too, in the British Isles, who never in their lives tasted a peach, a melon, or a grape, and to whom even an apple, pear or plum would be a luxury never to be forgotten. Money will produce and buy anything, and so in these islands that I am writing about, the favored few have at their command the most exquisite and luscious pineapples, grapes, peaches, plums, etc., that the world produces, for unstinted wealth and science are brought to bear in their production; but to the million they are as much a rarity as the eye tooth of an Egyptian mummy. The two fruits pre-eminently good and largely distributed among the cottage gardens of England, Scotland and Ireland, are the strawberry and gooseberry (climate again cool and moist). However, there are not enough of these humble fruits or anything else to go round among the masses, so large groups of the people are satisfied with oatmeal boiled, and for a variation, and sometimes to save time, not boiled; while another large section feast for seven days of the week on potatoes and salt, and for a change potatoes without salt. And they are mostly a hardy, industrious people, who never having tasted luxury, don't miss it. Where any people can bask in the sun and sustain life on a bunch of grapes or dress in a fig leaf and live on a banana, a feeble race will be found, but where the land must be ploughed deep to produce a crop, mountains must be climbed to the sterile hill farm, a race of people will be the result that when opportunity is given them, they are leaders of men.

But I must return to the garden. Before I leave these peach trees let me say that besides the very wealthy, the small boy who has the right to prowl round these gardens comes in for his share. A peach or nectarine that has fallen is bruised and would not be fit to send "to table," so if the small boy should find a few fallen he is not committing grand larceny by stepping lightly on the border and off with his prey; and if none have fallen through perfect ripeness, a gentle jar on the stem of the tree will accentuate the fall. That was wicked but such is a boy's appetite for fruit. What beauties these were! A "Royal George" or "Grosse Mignonne," much larger than a base ball, with rosy cheeks from which was ready to burst forth a glass of unfermented wine. It must have been at sight of fruit like this that the lamented Charles II, when handing one from the walls of Hampton Court gave utterance to that immortal classic "She's a peach"

On entering the iron gate of this walled garden before you was a gravel walk perhaps 200 feet long, bordered with little box edging, and back of that on each side a flower border of some twelve feet, then an evergreen hedge and behind that on right and left were garden squares devoted to Dr. Johnson's favorite flower, the cauliflower, the celery, artichoke and other useful things, but you, the visitor, were not aware of these plebeian plants and herbs. You were conducted up this broad walk on each side of which was the first attempt at what we called the ribbon border. I am not sure it was called anything for fear of being conventional, for nothing in name or deed was liked of that kind. It is so many years ago that I forget the different combinations. There was the blue lobelia and of course the Calceolaria aurea floribunda, a scarlet geranium, Salvia patens, Cerastium tomentosum. The echeveria and sempervivum were not yet in use and the gay little weeds, the alternantheras, if known were not in use. But a very different plant was, and one you seldom see here, Crassula coccinea. Back of these rows of plants came dahlias (grown properly, as Granger Bros., of Toronto, do them) and then hollyhocks, in the days before the disease was known.

At the end of the walk you entered the house built especially to accommodate the Victoria Regia. This house was an octagon with a basin of water thirty feet in diameter. It was built about 1850, perhaps before. This giant nymphæa of the equatorial waters of America was discovered in 1838. All of you have seen it growing, but only a few of you have seen it well grown. From the first attempt in this octagon it was an unqualified success, leaves attaining in diameter the width of more than seven feet. Many a little boy and girl have I seen standing on one of the broad leaves, but always a tea tray between their little feet and the leaf. This plant was a much greater novelty in those days than now. In the pool at the side were specimens of the Nelumbium speciosum. In this country this majestic water plant grows or would grow in almost any pond, and I am told has spread out and taken possession of many acres on the margins of lakes in Indiana. There was a clump of the papyrus (Cyperus papyrus) which we called the Egyptian bullrush, and which we informed the visiting pork butcher and his family were the rushes that Moses was hidden in. If we had told them that the ancient Egyptian and the modern St. Louis bowlers used it as a writing material to record their scores on, they would also have believed it.



Nephrolepis Rufescens Tripinnatifida.

In this basin of water, which was always warm, for several hot water pipes heated the water every day in summer, and which was never stagnant, for there was a continuous flow in and a corresponding overflow, there were thousands of gold fish. Beginning with a few they, as some of the races of men, increased and multiplied. Now can fishes hear, or have they only sight? When the door was opened, or perhaps more the vibration of the shutting, the shoals of little fish would sail up to where they were usually fed. If they cannot hear then there was a good deal of wind expended for nothing, for to whistle while feeding them was as natural as for a boy to whistle when he feeds his pigeons, or an old country stable man to hiss and blow as an accompaniment to the curry comb. "Keeps the bloomin dust hout o' yer mouth ye know." Every child knows that the sense of hearing is the waves of sound vibrating on the sensitive ear, sharp or soft, loud or long, as may be the vibrations which is nothing but disturbance of the atmosphere. We have heard this subject argued: "Can fishes hear." We suspect they can. A vibration of the water falling on their heads or perhaps tails is to them their sense of hearing, and with this solution of this knotty question I will say good night. BIBBER.

[To be continued.]

NEPHROLEPIS RUFESCENS TRIPINNATIFIDA.

This form of N. rufescens is a decided acquisition to any collection of ferns, and when well cared for soon becomes a beautiful specimen. It is one of the most distinct of the sword ferns, a strong grower and comparatively erect in habit, as will be noted from the illustration.

The fronds of N. rufescens tripinnatifida are quite broad, dark green on the upper side, and rather lighter below; the stems and crown of the plant, and to some extent the under side of the fronds being covered with a brownish tomentum. The pinnæ are deeply cut into narrow segments, and are so closely set on the stems as to overlap each other.

This variety grows more rapidly in a warm house and will not stand quite so much exposure as the various forms of N. exaltata and N. davallioides, and in common with those varieties soon suffers from lack of moisture at the root, such treatment resulting in the gradual dropping off of these things from what they used to be.

W. H. TAPLIN.

MISCELLANEOUS SEASONABLE HINTS.

Fern Pans.

There has been an equal, if not greater demand for the little pans of ferns in more or less costly receptacles, for the table this winter, and it is one of those modest but chaste decorations which is likely for a long time to be in favor with our best customers. Ferns that are suitable, that have the finely cut fronds and are in any degree durable under the conditions, are very limited and are not yet raised in quantity equal to the demand. There is a good field yet for several people to make a specialty of this business. It has occurred to me that one of the very best plants for this purpose is small specimens of 2 or 2½-inch pots of Asparagus plumosus nanus. When fairly well ripened the fronds, as they may be called, will outlast any fern that is available. Seed is now advertised at $10 per thousand, less expensive in larger quantities. If fresh home grown seed, it will nearly all germinate. Sow within a few weeks and by next October you will have a fine little plant that will be superior in appearance and far more durable than any fern you can put into the "dish." I sowed a thousand seeds as late as August of last year, and have used many of the little plants lately for the purpose I am now advocating. They have occupied a shelf since potting off from the seed box and being in 2-inch pots, have cost very little for space or care. Of course I am not recommending the asparagus to displace any of the useful ferns, but as a most valuable addition and a plant you can raise yourself at less cost than you can buy small ferns by the thousand. A temperature of 55° at night will suit asparagus at all times, and those to be used as recommended, should have the full light. I have used the word durable several times, and remember unless the fernery lasts fairly respectably for four weeks your customers will get tired of having them refilled. When a palm or any plant does well it encourages our patrons to purchase more; continual failure is the parent of discouragement and disgust.

Bougainvillea Sanderiana.

A plant that will sell at sight the coming Easter is Bougainvillea Sanderiana. It adapts itself to any form you wish to train it. If they have been treated as they should, that is kept quite cool and on the dry side, they should now be put into a heat of 60° at night and kept syringed till showing color. If they were plants lifted from the ground they would need no more shifting at present. If plants carried over in pots during summer, they may need now a larger pot.

Lemon Verbena—Lantana.

There is always a demand for that sweet scented plant, the lemon verbena. Everyone who has a mixed border wants a plant or two, and they are more often very difficult to procure in satisfactory shape. Plants that were kept in pots last summer and laid under the bench to rest at approach of frost should now be started growing, as they are dormant. You can shake off the old soil, repot them, shorten back the weak growth, and start them growing. They will soon push out lots of young growths, which always succeed in rooting in the sand as easily almost as the common verbena, but they nor any other cuttings should ever be allowed to wilt from want of sufficient moisture in the sand or too strong rays of the sun. Lantana needs about the same treatment and it is a good time now to start it growing to give you cuttings.

Violets.

I have grown violets this year from plants propagated last winter, and they have flowered well since October and are still at it. Another lot propagated differently have not been nearly so successful, but it is only fair to say they were not in the same house, nor had they just the same treatment; but, with all that, I am convinced that the right way to prepetuate your stock of violets is by cuttings, and by cuttings I mean runners that have made no roots in the soil. Some tear up their old plants and call each division a new plant. Others take the runners that have rooted and have formed a crown. These with roots are considered good enough to plant into flats or perhaps plant in the field. Neither the rooted runner or worse the division of the old plant is nearly as good as the runners without any roots inserted in the sand now or later, just as you would any other cutting. If you don't have room enough in the cutting bed, such as you would root carnations in, then flats will do equally as well. Flats two inches deep, with one inch of soil and one inch of sand, are to be preferred, for when rooted you can move the flats where you choose. When well rooted they can be potted off singly in 2½-inch pots, or, what it just as good, planted in three inches of soil in flats far enough apart to allow them to grow and make good plants by planting out time early in June. By planting out I don't mean planting out in the field, for I would never plant a violet but in one place, and that is on the solid bed where it was to grow and flower next winter. I hear some friends, and good ones, say: "Oh, nonsense!" Thousands of violets have been lifted from the field with great success, but there is a risk. On the solid bed, with the glass off during summer, there is no risk. If you don't get violets it will be from some other visitation.

W. Scott.

CARNATIONS

CARNATION NOTES.

Preparation of the Soil.

In my last notes in mentioning the material that supply the three principal elements of nourishment an error crept in. I will repeat the same again corrected: "Nitrogen is supplied in all animal excrements, in horn shavings, night soil and the offals from slaughter houses, of the later principally in the form of blood. Phosphoric acid is plentifully supplied in bone black and bone meal. All the other materials mentioned also contain phosphoric acid but in much smaller quantities than nitrogen. Potash is also found in the materials before mentioned, but in very small and insufficient quantities and is best and plentifully supplied in wood ashes."

This brings to my mind one other element, and this is lime. It has been often said of late, that lime helps to build up the so-much desired strong stem, and for the very same reason I have used wood ashes, as they contain much lime. Soils that are deficient in lime, should undoubtedly be supplied with that element, this is best done in the preparation of the soil.

In the Dictionary of Gardening we find among other recommendations regarding lime the following. "In applying lime to any land some caution is necessary as it possesses the important property of expelling or setting free ammonia, one of the indispensable constituents of plant food. When farm yard manure has long been used, a light application of lime may be of great advantage in hastening decomposition; while, on the other hand, soils which contain but a small amount of organic or vegetable matter might, by similar dressings, become exhausted."

Wood ashes and lime should be kept separate, and applied separately from nitrogenous matter (ammonia) if the latter shall not be largely diminished or entirely lost. Therefore, in the preparation of liquid manure it is out of place. Quite different is the result in the soil, or even in a mulch, where the manure is not fully decomposed. There it hastens the decomposition of the manure or all other organic matter.

Of late the proprietors of a slaughterhouse, located here in Lafayette, manufacture a manure to which my attention has been called. It consists of the offals, principally blood and bones. These offals are cooked by steam to extract all the fat. After this they are thrown in a heated iron reservoir, where they are dried and pulverized by a rotating wheel. The bones are easily pulverized as they can be nearly crumpled in the hand. There is absolutely nothing else used with it. Professor Huston pronounces it a powerful manure as it contains more ammonia than pure bone meal. The analysis made by Professor Huston shows the following:

Soluble Phos. Acid	—— per cent
Reverted " "	3.08 per cent
Insoluble " "	5.04 per cent
Ammonia (H_3N)	10.40 per cent
Potassa (K_2O)	0.56 per cent

We have made free use of it in our liquid manure and found it excellent. Its decomposition causes a strong smell, and would make it hardly desirable to use in a mulch, but in the liquid a little sulphate of iron will alleviate the smell considerably, and at the same time bind and conserve the ammonia. I think it will prove a valuable manure to mix with the soil in the preparation of same. It comes in sacks of 200 pounds and is cheaper than bone meal.

Fumigation.

Other work that may be classed as routine, is fumigation. We use entirely the Rose Leaf Tobacco Extract manufactured at Louisville. It is applied in various ways, but with the same object, to vaporize the nicotine it contains. Painting it on a heating pipe has been of late strongly recommended and is a very convenient way, but it often needs a sprinkling with water, to renew and increase the extract of the nicotine. This tobacco extract is very effective and is never injurious, as tobacco smoke often is, and besides does not leave any tobacco odor on the flowers as does the smoke.

Another essential work that never should be neglected is the fumigation with sulphur, by mixing flowers of sulphur with lime, and painting it on the heating pipes. Besides being death to fungus, it rather shows a beneficial effect on the growth of the plants when used mildly. Too much will spoil the opening buds and discolor the flowers.

Newer Carnations.

Mr. A. M. Herr in his essay on Newer Carnations is a little too severe on the variety Mrs. Bradt, by saying it has an immense fine bloom on a "very" weak stem. Everybody who grows it will admit that the stem is hardly strong enough to carry the very large flower. This is especially so early in the season, when most varieties show weak stems, but improves greatly as the season advances; and since it is better known how to grow it, the stem is much stronger. I admit that the stem is not in proportion to the flower, but to my judgment this "very" weak stem as it generally grows would be amply strong to carry a Flora Hill or any other large variety. and of many of the smaller varieties two blooms. The allegation, "very weak" is a little too severe.

Fred. Dorner.

CARNATION EMPRESS.

We have received from Mr. Wm. Swayne, Kennett Square, Pa., blooms of this new crimson carnation. The color is remarkably rich, the blooms measure from two and one-half to three inches in diameter, are very fragrant, the petals deeply fringed, and are borne on stems that are as strong as one could wish. It is certainly a grand crimson variety.

We present herewith a view of a house of this variety as seen at Mr. Swayne's.

We have received from Mr. Albert M. Herr, Lancaster, Pa., a copy of his printed notes on new carnations. In them he reviews the leading novelties, giving his experience with the various sorts and the result of his experiments. They certainly are very interesting and anyone who wishes may receive a copy by simply addressing a postal card request to Mr. Albert M. Herr, Lancaster, Pa.



Bench of the new Crimson Carnation Empress at Wm. Swayne's, Kennett Square, Pa.

ST. LOUIS, MO.

Trade Falling Off.

Trade in this city was dull the past week, nothing of any importance going on except a few large funeral orders reported by some of the west end florists. Some of the stores down town are beginning to cut the prices already and are selling carnations at 25 cents per dozen and roses at 50 cents per dozen. The few days of bright weather we have had made flowers of all kinds plentiful and all signs of holiday prices have vanished. If the stock keeps on coming in as it has been there is a good chance of there being a glut in almost every line.

Prices—Stock.

The best stock in roses can be bought at $6 and seconds go at from $2 to $4. Good Meteors are very scarce, also first class Beauties. Brides and Bridesmaids are the most plentiful. Carnations are also more plentiful now than they have been for some time. The best Scott, Flora Hill, Alaska, Jubilee and Daybreak are selling at $5 and $6; others go at from $1 to $3.

In bulbous stuff there is plenty to choose from and at low prices. Harrisii lilies are a little more plentiful and the same can be said of callas, a great many of which were used last week owing to some very large funeral orders. Romans and paper whites are selling as low as $2, though some of the very choice flowers bring $4. Valley is not so good as it has been and sells at $3 and $4. In Violets the supply was equal to the demand, Californias having the call, and again selling at $1.50; double ones, that is the best, bring $1; single home grown go at 40 cents, while the southern sell at 25 cents. Smilax is also selling slow at $12.50 and $15.

Among the West End Trade.

The Ayers Floral Co. report lots of funeral work since the New Year. Holiday business was very satifactory in cut flowers, plants, and all kinds of greens. Mrs. Ayers told me they had a very large wedding for January 20, which will be one of the swellest of the season, and for January 12 they will decorate for a tea party. In decorating the blue room they will use 800 Daybreak carnations; for the red room 300 Meteors and for the pink room 300 Bridesmaid roses.

Ostertag Bros. say they have been very busy every day since the holidays with wedding and funeral decorations. Business during the holidays was never better.

The Oughton Floral Co. report business a little quiet since the holidays, but had a good trade during the holidays in all lines.

Chas. Schonele was not in when I called, but his able assistant, Miss Rosie, reports that a few days before Christmas they thought business would be quiet but it all came in a rush and all the work had to be done at once. Greens sold better than expected and they sold out clean.

Geo. Waldbart says that he had a great rush all through the holiday season. Mr. Waldbart handles only the best stock, asks top prices for everything, and has the best trade in the West End. "How do you like our new trade paper, THE REVIEW," was asked. "Why, it's the best of the three."

At Fred. Weber's things looked busy. Fred. says he is glad the holiday season is over, as the rush is too great and everything comes at one time. Business since has been good with wedding and party orders. Mr. Weber was just reading THE REVIEW as I came in, and I asked him how he liked it, and he said: "It's just the paper for the retailer, wholesaler, and grower, as in every issue you learn something new."

Miss Newman, at Armstrong's, reports business very satisfactory during the holiday season. "Prices were a little high on cut flowers, but our customers paid them for good stock. The sales on plants and all kinds of green were better than last year. Trade since the new year is a little quiet." "How do you like our new paper, THE REVIEW?" "I think it's the only paper, and I don't see how any live florist can be without it."

Mr. J. M. Jordan Retires from Business.

The directors of the Jordan Floral Co. held a meeting at the office of the company, 822 Olive street, January 4, and elected the following officers: Harry B. Jordan, Omaha, Neb., president; Mrs. H. B. Jordan, vice-president; Willie E. Jordan, secretary and treasurer; John W. Kunz, manager. Mr. J. M. Jordan will retire from active service in the business. Mr. Jordan is now nearly seventy years of age, and is one of the best-known florists in the country. He is president of the Hail Association, and at one time president of the S. A. F. The retirement of Mr. Jordan will no doubt be a great surprise to his many friends all over the country, but owing to his late illness, and by the advice of his physician, will give the business cares over to his sons and live in retirement the rest of his days.

Personal Items.

Mr. Carew Sanders left for Florida last week to spend the winter months. Mr. Sanders reports that he will not be back until the flowers bloom in the spring.

Arthur Ellison has returned to the city from the east, after being gone about a year, and has taken charge of the down town establishment of Ellison & Tesson.

William Lingenbrink will leave for the Klondike the latter part of January with a party of friends, including Alex. Wilson, brother of J. S. Wilson, of Chicago. Billy expects to return late in the fall with lots of gold and open one of the finest floral establishments in St. Louis.

I am glad to note that our friend, William Scott, is out and well again, as his notes in THE REVIEW are always read with interest by all the florists and are very beneficial especially to the grower.

Club Meeting.

The club meeting on Thursday this week will be a large one. The "Shaw medal" has been finished and will be presented to the winner, Mr. Luther Armstrong, of this city. J. J. B.

WASHINGTON.

The springlike weather of the past week has been the cause of an enormous quantity of stuff coming in, and the quality the very best, carnations being especially fine. The past week has been unusually quiet, with very little demand for flowers of any kind.

One or two stores down town have commenced the bargain days and a placard in the show window announces for that day roses will be 50 cents per dozen, carnations 25 cents per dozen. We all know how people will rush for bargains, but this scheme once drew well, not now. "Why," said a lady to me, "do you know the roses fell to pieces before I reached home with them. I would rather

pay the regular price and get them fresh." Of course they would.

Despite the glut prices remain firm. Beauties, $1 to $6; La France, $1 to $5; Brides, $1 to $3; Kaiserin, $1 to $3; Meteors, $1 to $2; Bridesmaid, $1 to $3 per dozen; carnations, 50 cents per dozen; violets, $1.50 to $2.00 per hundred. Although all bulbous stuff and plants imported should bring better prices on account of the new duty imposed by the Dingley Bill it has been found impossible to realize other than the old prices. Violets are showing up fine and in quantity the past week, but must still be scarce since the fakir has not as yet put in his appearance on the street with them.

W. H. K.

TORONTO.

Business Conditions.

As might be expected, since New Years trade has not been quite so brisk, although a fair amount is being done, especially in designs, there having been several funerals to which a great number were sent. Parties and receptions are also still in vogue, though to a lesser extent. The stores are making some very pretty shows in their windows. I noticed a bunch of Dunlop's new rose "Lady Dorythea", in his window the other day looking very distinct and fetching.

Directors of Hort. Society Meet.

The directors for 1897 of the Horticultural Society held their last meeting on Saturday evening last, to prepare their report for presentation at the annual meeting to be held on the 12th inst. The discussion was lively and lengthy and did not conclude until nearly 11 o'clock. The society has made excellent progress during the past year, and from all appearances will gather impetus as it grows, and as the directors gain more experience in the workings of it. There is a big uncultivated field to exercise their faculties on, and though it may take years before our present ideals are realized, strict and earnest attention to the business in hand, with eyes on the goal ahead will work wonders.

Mr. Dunlop Entertains.

A most enjoyable evening was spent at Mr. J. H. Dunlop's residence last Thursday, the occasion being his annual dinner to his employes. The bountiful dinner provided was put "out of sight" in a truly marvelous fashion, after which various little speeches, songs by Mr. W. Lawrence, the foreman, (who by the by is as much of an expert at singing as he is at growing roses), and music from a graphophone were indulged in. It was morning before the jolly party broke up; with the exception of one, the party was the same as last year.

A New Market Association.

Great efforts are being made now to improve the old St. Lawrence market, and an influential, and go-ahead market association has been formed for the purpose of pushing the matter and bringing it before the City Council and Provincial Government. Improvement is badly needed in this line. The market florists have been able to do very little since the fall on account of bad weather, their stalls being virtually out doors. E.

INDIANAPOLIS.

A Quiet Business New Years.

New Years business was comparatively quiet, a few receptions among the clubs and some private houses. Outside of these no activity was shown, whatever. The weather was fine. Since the holidays trade has been very dull, very few receptions and entertainments taking place. Carnations and roses consequently are getting more plentiful and lower in price.

Indianapolis Florist Club.

The January meeting of the Indianapolis Florists' Club was held at "Fairbanks" by the invitation of Mr. Bert Stanley, the florist of the resort. A good many members were present to see the new officers installed in their respective offices. A vase of Evelina carnations attracted everyone's attention. They were sent by Mr. R. Witterstaetter, of Cincinnati. It was given the club's certificate of merit by a unanimous vote. The flowers came in perfect condition.

A discussion was started regarding the duties on bulbs, etc. Mr. Langstaff, of Deaf and Dumb Institution, wanted a petition to be sent to Washington that the duty on all bulbs, nursery stock, etc., be taken off, but he hardly had finished when some of our old commercial men as Wiegand, Cornelli, Bertermann, and others gave him to understand that the duty was all right and some wanted to see it 50 per cent. instead of 25 per cent.

Resolutions were requested to be sent to the Board of Public Works for the appointment of a city forester to have general supervision of all trees planted and also the preservation of old landmarks and other details, the Superintendent of Parks to be his superior and to work in conjunction with the park officers. By the way, the park commission appointed about two years ago, is put out by the Supreme Court of the state and all the work done by the commission will have to be gone over again by the Board of Public Works. This is progress with a big P. What valuable time is being lost by the process of law. Not law, but politics, I am afraid is at the bottom of the whole business.

The committee on securing a permanent club room reported, but it was continued for a further lookout for a suitable location.

The State Board of Agriculture sent in a request for a committee to revise the premium list for the coming fair, but this being business for the State Association, a committee was appointed to work in conjunction with and make recommendations to the state meeting later in the month.

The question came up regarding the entertainment of the state society, the general opinion was that a good substantial banquet or other first class entertainment should be given. Proper arrangements were ordered made. The report of the secretary and treasurer for the year showed a good sized balance in the treasury.

After the meeting, a well set table decorated in fine shape with plants and flowers, was prepared for the members by Mr. Stanley. The compliment was very much appreciated by everyone present.

Meeting of State Association.

The secretary of the State Association is sending out invitations to the state meeting, which will be held in the State Horticultural Rooms, State House, Thursday, Jan. 20th, 2 p. m. and 7 p. m., a banquet following late in the evening. An exhibition, free to the public, will be held from 3 to 5 p. m. Plants and flowers for exhibition are solicited. Certificates will be awarded to all deserving exhibits.

Notes.

The seed stores report the best business they ever had in greens, with prices ranging lower than usual.

Huntington & Page, seedsmen, have leased an additional storeroom, putting in a new plate glass front, twenty-six feet wide, making the most elegant front in the square. They are getting ready to do a great spring business, their old room not being nearly large enough for lively trade.

A good sized delegation is being formed to attend the American Carnation Society meeting in Chicago. W. B.

CHICAGO.

Annual Meeting of Horticultural Society.

The annual meeting of the Horticultural Society of Chicago was held at the Sherman House last Saturday afternoon.

President Chadwick's annual report was an interesting resume of the work of the year, showing the progress that has been made and outlining work for the future that will still further enhance the usefulness of the society. Among the possibilities noted was that of securing space in the proposed exposition building on the lake front for the annual exhibitions of the society. The report of Treasurer Rudd was very gratifying, showing a balance in the treasury of $1,878.93.

There were no less than forty-eight applications for membership in the society. All were acted upon favorably and the membership list was materially lengthened.

The sum of $50 was appropriated as a contribution to the fund to entertain the visitors to the convention of the American Carnation Society next month. An invitation from the Carnation Society to the members of the Horticultural Society to view the display of carnations at the time of the convention was accepted.

Officers for 1898 were elected as follows: Wm. H. Chadwick, president; E. G. Uihlein, first vice-president; H. G. Selfridge, second vice-president; E. Wienhoeber, third vice-president; W.

C. Egan, secretary; W. N. Rudd, assistant secretary and treasurer. The three vacancies in the executive committee were filled by the election of Messrs. P. J. Hauswirth, W. N. Rudd, and Edgar Sanders.

Steps were taken looking to the presentation to Mr. Rudd of a suitable testimonial in recognition of his invaluable services as manager of the annual exhibitions.

The society starts the new year under very favorable auspices, and there is every indication that the report for 1898 will be even better than that for 1897.

Florists' Club.

This Thursday evening is ladies' night at the Florists' Club and the following program will be rendered:

1. Song—Only a Rose Bud.

CLUB QUARTETTE:

Chas. W. McKellar, First Tenor; E. F. Winterson, Second Tenor; E. H. Kissell, Baritone; Chas. H. Balluff, Bass.

2. Piano Solo—The Last Greeting. *Keck.*
   Miss Maud Grant.
3. Soprano Solo—The Bird and the Rose.
   Miss Inez C. Stromback. *Horrocks.*
4. Violin Solo—Traum der Sennerin. *Labitsky.*
   Miss Alda Grant.
5. Piano Solo—Awakening of the Lion.
   Miss Amanda Blumenthal. *de Kontski.*
6. Tenor Solo—Queen of the Earth. *Pinsuti.*
   Mr. George Mason.
7. Violin Solo—Cavatina. *Raff.*
   Miss Mary Belle Smith.
8. Recitation—Selected.
   Miss Honore Wolf.
9. Trio (Two Violins and Piano)—Largo. *Handel.*
   Misses Alda Grant, Mary Belle Smith, Maud Grant.
10. Recitation—Selected.
    Mr. J. T. Anthony.
11. Song—Mamie Reilly.
    Club Quartette.

The Market.

There is the usual reaction after the holidays though some find trade better than usual at this season. The demand from local buyers is especially light, but there is no surplus of good stock. Prices are easier, especially on the lower grades. The dark, rainy weather has, of course, not improved the quality.

Various Items.

The Rogers Park Floral Co. have moved to 51 Wabash avenue, room 210, and are busy fitting up their new quarters.

Mr. Flint Kennicott was threatened with pneumonia last week and was confined to the house for several days. He is now attending to business again.

Mr. W. Kirkham, of Maywood, has also been on the sick list.

ROCHESTER.

Society Helps the Florist.

In the last days of the old year, parties and receptions were of frequent occurrence; several every day. Large orders for funeral work also happened to pour in, so that all of our retailers were extremely busy, especially on Friday and Saturday, when New Years orders had to be ready for delivery. Owing to the fact that an additional demand was created by these party decorations and the unusual heavy call for funeral designs, New Years week proved to be a very profitable one for the storemen; otherwise some of them might have felt inclined to grumble because the regular New Years trade really does not now amount to very much, compared with the sales of years gone by, although quite a large number of flower boxes and made-up baskets had to be delivered and the plant trade for that day was much better in some quarters than last year. Again it must be said here that flowering plants were preferred and it is lucky for those growers who are prepared to meet this increasing demand. A fine lot of cinerarias in 6-inch pots were exposed in one of the stores; Begonia incarnata apparently were not all disposed of at Christmas; fine cyclamen in all sizes, are quite plentiful; pans of hyacinths and valley sold readily and the limited number of azaleas was quickly disposed of wherever offered. The general scarcity of cut flowers may possibly have helped the sale of flowering plants, to some extent, for in many instances the storemen suggested and recommended them to would-be flower buyers, but withal we cannot deny the evidently increasing taste for blooming plants, provided they are good, well flowered specimens; poor or indifferent stock does not sell at all.

Favorable Condition for the New Year.

Compared with Christmas we surely had more favorable weather for delivering goods on New Years, although it was not warm. The extreme precautions in packing were not needed this time, the thermometer registering about 20°, and we are quite used to delivering even the softest plants in such ordinary freezing weather, so there was no complaint whatever from recipients of goods, to my knowledge. Severe cold was upon us again by noon Jan. 1st, but Monday was moderate in turn. Just after this date more debutantes' parties have been on the program. Other social events are booked for the middle and end of the week, so it is likely that every florist in town will begin the new year with plenty of work; may these favorable conditions prevail throughout the year. A prosperous New Year to all.

Scarcity of Stock.

The scarcity of flowers in general continued throughout the week and no great supply is in view for the near future as yet. The demand has been very good, everything was used up clean daily. The weather is quite mild, we had several sunny days, which greatly assisted in bringing along some of the roses, carnations and violets, but withal, there is not near enough to go around. Consignments from near-by towns are bought up quickly on arrival and prices have not come down, excepting a slight decrease in carnations, of which the supply is fairly good.

The first lilacs of the season were seen here this week, both in a cut state and as pot plants. They are several weeks behind last year's, but are superior to them in size of bunches and are also hardened off better. For the past two seasons lilacs were a fairly well paying article in this city. This winter the quantity of plants bought for forcing has been doubled with several of our local growers and it is more than likely that there will be some disappointments in these quarters before spring.

A Pretty Novelty.

Nice bushy little plants of Agathæa cœlestis, the blue daisy, in 5-inch pots and full of flowers were considered a novelty for the holidays; the public seems to take kindly to it. Though a very old plant, we seldom meet them in late years, but as the list of flowering plants in midwinter is not very extensive, I mention it here; perhaps in other cities, where someone is constantly on the lookout for suitable Christmas plants, the agathæa will also be appreciated. They are not expensive or hard to handle, and there is profit in growing them at 50 cents or even less. Only a small quantity was grown this year, merely enough for a trial, but preparations are now under way to have a better supply and larger specimens for next winter. K.

CLEVELAND.

Trade Continues Satisfactory.

Business has been very good since the holidays, nearly all the stores having had a good share of work of one kind or another, sufficient to use up pretty much all the stock of good flowers offered. Of course prices, both wholesale and retail, have dropped from their lofty Christmas altitude, so that ordinary people can reach them without the aid of balloons.

Stock—Prices.

Carnations average about $1.00 to $1.50 per hundred. Roses have been running at from $4 and $5 to about $8 for first grade teas. Harrisiis have been quoted at $1 per dozen. Outside of these, it is rather between hay and grass, as the last chrysanthemums are now gone, and Dutch bulbs (at least of good quality) are not yet in. At retail carnations sell at from 35 cents to 60 cents and roses at from $1 to $2 per dozen, according to quality.

The weather has been greatly improved since the holidays and flowers should improve very shortly in quality as well as show an increase in quantity with the improvement in weather conditions.

An Extensive Decoration.

A very extensive decoration was one recently done by A. Graham & Son, at the Roadside Club, upon the occasion of the "coming out" of a debutante. Great quantities of Christmas greens of various kinds were used, in addition to a profusion of palms. Lilies and roses were the principal cut flowers used, besides a lot of azaleas in bloom. NEMO.

RICHMOND, IND.—Beach & Co. have moved their cut flower store from the Wescott Hotel to Main street, between 9th and 10th streets.

THE FLORISTS' REVIEW

G. L. GRANT, Editor and Manager.

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"The fungous foes of the farmer" is the title of a pamphlet by Prof. Byron D. Halsted, of New Brunswick, N. J., and issued by the Department of Agriculture of the state of Pennsylvania. It treats of the fungous foes of root crops, of large and small fruits, of vegetable fruits and vegetables. There are illustrations of young cabbage plants affected by club-root, of scabby potatoes, of beet leaf showing the leaf-spot, of wax beans attacked by anthracnose, of tomato leaf affected by spot, and of a cucumber destroyed by anthracnose. Any resident of Pennsylvania can probably obtain the pamphlet free on application to Thos. J. Edge, Secretary Department of Agriculture, Harrisburg, Pa.

The Floral Calendars published by Daniel B. Long, Buffalo, N. Y., are certainly very pleasing. The decorative effects are obtained by arranging flowers and foliage in the positions desired and then photographing same. A half-tone engraving from the photograph gives the necessary plate to print from. A design that particularly pleases us is one showing a graceful tracery of vines all over the calendar, with a feathery palm leaf in one corner. And the arrangement of long-stemmed chrysanthemums between the days of the week is a very pretty conceit. Judging from the samples submitted Mr. Long purposes to sell these calendars to florists who wish to issue a pretty advertisement to their customers. For this purpose they are much superior to the usual lithographed calendar, as they are true to nature and original in conception.

We have received from Harlan P. Kelsey, Boston, Mass., samples of galax leaves in various sizes and colors and a quantity of the Partridge Vine (Mitchella repens). The Partridge Vine is certainly very pretty with its bright red berries, and could be made a very effective decorative material. We think it was not more than five or six years ago that Mr. Kelsey sent us a small quantity of the galax leaves with the inquiry as to whether they could not be made use of by florists. We replied that we thought they could, but we had no idea that the demand for them would develop to the wonderful proportion that it has. The trade in galax leaves now runs into the millions annually and we question whether any similar decorative material has so quickly attained such widespread popularity as the galax leaves. Uses for these leaves have been discovered of which the introducer did not dream and the indications seem to be that the use of this material will be still further extended.

We learn that the park commissioners of Buffalo, N. Y., were so short-sighted and narrow-minded as to dismiss from the service of the commission, without giving any reasons whatever, Mr. William McMillan, who was superintendent of the Buffalo parks for twenty-six years. The reason for this abrupt dismissal is, undoubtedly, Mr. McMillan's frankness in discussing the various projects advanced by the park commissioners who, of course, were men totally unfamiliar with the requirements of the case and who were, undoubtedly, largely influenced by political considerations. Mr. McMillan had attained a national reputation as one of the ablest park superintendents in the country, and it certainly was not for lack of ability that he was thus treated by the Buffalo commissioners. It is pleasing to note that the Buffalo papers are very out-spoken in the matter, upholding Mr. McMillan and deprecating the action of the commissioners. This case emphasizes our frequent former statements to the effect that it is the duty of everyone interested in horticulture in any of the larger cities to use whatever influence he may possess to counteract the tendency towards the abuse of political power in our park systems. If our organized bodies of horticulturists in our large cities would fully exercise the power that their organization gives them, they could largely neutralize the work of the politician.

The uniformly favorable reports on the Christmas trade of 1897 are certainly very cheering and indicate that the present season may develop into something as good as the best of past years. The call for blooming plants at the holidays seems to be growing in all sections of the country, and it would seemingly be wise for the florist to study more closely this department of the business. While the plants are more difficult to deliver than a box of cut flowers the stock is not so immediately perishable and can be carried a week or more by the dealer. The development of the plant trade at Christmas will undoubtedly assist materially in adding to the returns to the florist at that season. For those who wish cut flowers will buy them anyway as a rule, while the presentation to the general public of something less perishable, but even more attractive to many, cannot fail to increase the total sales, and this is, of course, desired by all. Another pleasing feature of the holiday trade is the apparent tendency of the public to use flowers freely during the whole week, which if continued will hold prices at a comfortable figure for some little time after Christmas. In spite of the very high prices, extra fine Beauties seem to hold first place in roses and to continually grow in favor. Many buyers seem to prefer a half dozen fine Beauties to a dozen other high grade roses of the tea type. Evidently the Beauty has not yet been overdone as to quantity and the capricious character of this rose as to producing good blooms will probably always prevent any very great surplus of high grade flowers. The rose grower who can thoroughly master the growing of this rose, and be sure of a cut of good flowers at the right season, and enough of them from a given space, will have something better and more reliable than a Klondike claim.

We question whether any other business has experienced a greater proportionate expansion during the last ten years than that of the florist. And that there will be an equal, or greater, expansions during the next ten there can be no doubt. But the methods of ten years ago will not avail now. The trade is so different from what it was then that it may be called practically a new business. Conditions have changed, and are still changing, and those who would keep to the front must change with them. Modern methods both in growing and selling the products of the greenhouse must be fully made use of. Well directed and judicious expense is an investment that will return good earnings. Not so many years ago new boxes were considered too expensive to use in putting up flowers for customers. Now, the only florist who does not have new boxes for the purpose, is one whose retail trade amounts to but little. Not so long ago flimsily constructed greenhouses were considered cheap because the investment was small, and now no grower will attempt to make such houses profitable. He builds well, not because he has the money to spend, but because he finds good construction is the cheapest in the end, and that with first-class houses he can make the larger investment pay a vast sight more than he can the smaller investment in the cheaper (?) houses. Not so many years ago few greenhouses were fitted with the labor-saving ventilating apparatus now considered absolutely essential in a modern house. And this apparatus is more than labor-saving. It makes possible a control over temperature and atmospheric conditions that could not be had without it, no matter how much hand labor was devoted to it. No florist can now afford to be without it. Note the big ranges of houses now cared for, and well cared for, by small forces of men. Under old methods it would take double or treble the number. That is where the saving comes in. That is where old methods are expensive as compared with new ones, even though the modern methods compel a larger original investment. It pays to have good houses, good tools and good help. Have half the quantity and have it good, rather than double the quantity and half the quality. It will prove a more profitable investment under present conditions.

Send in your advertisements of help wanted and situations wanted. Where they do not exceed five lines in length, (seven words to a line) we will insert them free.

NEW YORK.

Florists' Club Meeting.

Monday, January 10, may be marked the epoch of a great revival in the club's interest; the exhibition, the attendance and the general feeling was one of new life and earnest work for the future, not that the past has slumbered, but rather that the spring time had come and that new leafage, new buds, new flowers, were awakening. Truly the new year has opened auspiciously, the Plumb has ripened and taken on bloom.

Mr. Henshaw in a felicitous speech introduced the incoming officers, and the officers made their initial bow and thanked the members for the honor conferred upon them and promised to live up to their obligations. By some misunderstanding, Messrs. Weathered and Young both expected the other to make the twin speech; the former gentleman, who is as full of warmth as his boilers and as responsive, escaped from the dilemma with an usual witty speech. Mr. May moved a hearty vote of thanks to the outgoing officers, which was unanimously accorded.

Mr. William Plumb, the incoming president, then assumed his duties. At the sound of the gavel, however, Mr. Morris, (of aldermanic fame), rose to a point of order, and in a very eloquent speech, presented him with a very handsome gavel made from a tree cut from Washington's historic home at Mt. Vernon and presented to the club in the "rough" by Mr. Franklin A. Whealan, gardener at the above place, which the members of the club had mounted in silver and the following engraved upon same.

MOUNT VERNON, 1898.
Presented by
The New York Florist Club,
From Members.

Mr. Morris added that as it was made from American hickory, he hoped it would graft itself upon the English Plumb. Mr. Plumb in his reply said that the co-operation of members was needed to anneal the compact and perfect the union.

Mr. Weathered made a motion that a silver and bronze medal be added to the club's awards. Mr. May made an amendment that certificates be awarded to all novelties and meritorious exhibits. Mr. Taylor made an amendment that the club's former rules govern the awards. Carried.

Treasurer's report revealed the fact that there were 167 members and that the treasury had a credit of $409.28. There were 12 new members proposed, to be acted upon the next meeting. It was decided to have the usual annual dinner to cost $5 per member. All wishing to be present should notify the secretary, Mr. John Young, and enclose check for ticket. To facilitate matters for the committee the following gentlemen generously consented to act: Chas. Weathered, chairman, John Taylor, Ernst Asmus.

After the meeting President Plumb invited the members to partake of a collation to commemorate the event for which he was the happy recipient. After a hearty vote of thanks and the singing of "he's a jolly good fellow" a movement to adjourn was reluctantly carried.

Exhibition.

There were four entries for the club's gold medal and all of them were very meritorious. Mr. C. W. Ward, as usual, came forward with an excellent collection of carnations of the following varieties shown in vases of fifty each: Gen. Maceo, dark maroon; Mrs. James Dean, pure silver pink; John Young, pure fringed white; White Cloud, white, shell-petalled; Mrs. G. M. Bradt, white, striped red; Blush, white slightly tinted pink; New York, cerise, very free bearer; Bon Ton, scarlet, very distinct; Flame, scarlet.

W. A. Manda exhibited the following pot plants, Abutilon Savitrii, a green and white variegated variety, like Souv. de Bonn, but much more distinct and likely to prove an excellent bedder; Cypripedium Media superbum, a hybrid between C. Spicerianum and C. hirsutissimum, very pretty and distinct; Salvia Golden Gem, a dwarf golden foliage variety; Saxifraga sarmentosa tri-color a very pretty rock-work plant.

Mr. William Plumb showed an excellent collection of fancy carnations which were much admired. H. C. Steinhoff, of Hoboken, exhibited a collection of well flowered and grown azaleas in the following varieties: Deutsche Perle, Vervænenana, Van der Cruyssen and Simon Mardner.

R. Witterstaetter, Sedamsville, Ohio, showed his white carnation, Evelina. It appeared in grand condition, showing its good shipping qualities, and received high commendation. Frank Miquet, Patchogue, L. I., showed an unnamed seedling, a cross between Scott and Daybreak, a sensation as a carnation; stem two feet long, erect and carrying a flower nearly three inches across; a beautiful cerise red, lighting up beautifully in the artificial light.

Points were awarded to the competitors for the gold medal and the following were the committee on award: J. N. May, chairman; Alex. Burns. J. M. Keller, Julius Roehrs, P. O'Mara, Laurence Hafner.

American Institute.

What will prove a very interesting program has been arranged for the coming sessions of the Horticultural section of the American Institute, and practice and theory will go hand in hand. Last Wednesday the first exhibition was held and the program a "Display of Novelties in Roses" brought out some extremely good exhibits. In the evening Dr. N. L. Britton delivered his lecture on "Roots and Stems," which was much enhanced by the stereopticon illustrations.

The program for the future will be as follows, the exhibitions to take place at 2 o'clock in the afternoon and the lecture at 7:30 p. m:

February 9, orchid exhibition. Lecture on "Mimicry and Fertilization of Orchids;" illustrated by over 400 colored charts by Mr. C. H. Atkins. March 9, carnation exhibition. Lecture on "Leaves and Flowers," by Dr. N. L. Britton; illustrated by stereopticon. April 13, display of forced vegetables. Lecture by Cornelius Van Brunt. May 11, exhibition of flowering shrubs. Lecture by Dr. N. L. Britton, "Flowers, Fruits and Seeds;" illustrated by stereopticon. June 8, exhibition of fruits and flowers, general discussion, Messrs. Siebrecht and Henshaw taking part.

Among the Retailers.

If the store men are not making money these days, no one is, in the florist business, and for why you ask. Well, sir, " 'tis pity, 'tis, 'tis true," and the reason is that flowers are plentiful and cheap, and if trade is only fair they ought to be coining money, but don't you go and ask them, because they will tell you I wrote this after I went home from the Forists' Club meeting, which I didn't. Anyway, trade ought to be on the mend by this time, the reaction after the holidays ought to be nearly over, so cheer up, there is a good time coming. There is Easter, and there is Christmas, too. It will soon be round again, so don't put on a martyr expression, because it won't deceive the wary wholesaler, for, in the parlance of Chuck Connors "he's on to you."

One of the events of the week was a ball given by Mrs. H. P. Whitney at their home. The decorations were of a very elaborate style, bordering on the magnificent, and Mr. J. H. Troy, manager for the Rosary Co., had the contract for the work, which was fully up to their usual standard of excellence.

W. H. Brower & Sons won't mind if you call their store the "old curiosity shop", because there you will find all the knick-knacks of the Goddess Flora, besides the regular line of stock flowers and anything hard to get. Among other things, I noted there the new roses, Mad. Chatenay and Mrs. Watson, both of which will be heard of later. Some bunches of the sweet Daphne Indica, jessamine, California violets, sweet peas, rare orchids, pansies, bouvardias, double and single, and some of the old favorite roses Bon Silene and Papa Gontier. "Yes, we have quite a call for all these things," I was told in answer to my enquiry, "and we find it pays to carry this miscellaneous stock. Some of our old patrons look forward to these odd and seasonable flowers and there is a certain affinity between our old friends and some of these old fashioned flowers."

On the Rialto.

Oh, Lordy! Oh, Lordy! how long is the cry of the wholesaler. "Job wasn't in the wholesale business, I'll bet a long stemmed American Beauty to a frosted cull," said one man to-day, but that was just after a retailer had "called him up" on the 'phone and then "called him down," so that's excusable.

It is a fact though that trade is unusually dull, even duller than ordinarily after the holidays. Though stuff gets cleaned up pretty well, for all that there is no snap or vim to the trade, however, and roses have sold as low as $20 per 1,000.

The best fancy Beauties realize 75

cents and the finest stock of Brides and Maids, 15 cents, Meteors, Testouts ranging slightly higher. Violets are selling exceptionally low at 50 cents per 100; seems ridiculous at this time of the year. Cattleya Trianæ are coming on a little more freely and range all the way from 25 cents to 50 cents apiece, according to quality. A few hybrids are putting in appearance, but they seem to have been warned about the low prices and are laying back. The best Brunners realize 40 cents. White lilac sells fairly well at $1 to $1.25 per bunch.

Bulb stuff is fairly plentiful and sold well to the end of the week. Romans, paper whites and Harrisii realize only moderate prices, while tulips have dropped to $3 and $5 per 100; Von Sions to $4 per 100. Quite a lot of the pretty Oncidium tigrinum is to be seen, while other varieties of orchids are "scattering." Fancy carnations are realizing good prices, though not so high recently. They are one of the things that never seem to be overdone.

Seed and Bulb Trade.

The balance of trade is being sustained in this line at present. Tuberoses are being shipped and flower and cocos seed is being received. If my notes arrive late this week you will know it is the congestion at the postoffice from the big editions of catalogues being mailed from nearly all the large houses.

Various Notes.

There was a fair attendance at the meeting of the New York Gardeners' Society last Saturday evening in the Mott Memorial hall. Mr. William Scott, of Tarrytown, President, occupied the chair. After the regular routine of business, Mr. F. R. Pier (you thought I was going to say Pierson), but its Pierkovsky read an interesting and practical paper on the tuberous rooted begonia and received a hearty vote of thanks for same.

Mr. H. E. Blauvelt, with the New York Cut Flower Company, has been on the sick list, the result of overwork during the holidays. He also had a long-stemmed American Beauty fall on his foot. I am glad to say he is able to get around again, however.

J. C. Vaughan, Chicago; E. Kauffman, Walden, N. Y.; Frank Miquet, Patchogue, L. I., were recent visitors.

Mr. James M. Logan sails for Europe on a pleasure trip next Saturday per S. S. Furnessia. Mr. James A. Penman will act as grand marshal of the escort corps on the occasion. Good luck to you, Mr. Logan.

Mr. L. C. Bobbink has been obliged to postpone his intended trip abroad for the present, and was unable to sail on December 29th as expected.

BOSTON.

Exhibition of Mass. Hort. Society.

The Massachusetts Horticultural Society held their regular weekly exhibition to-day. Among the exhibits Mr. John Mutch, gardener to J. E. Rothwell, Esq., Longwood, showed an Odontogblossum Vuylstekeanum for which rarity he was awarded the society's silver medal. Mr. Rothwell says it is the only plant of this variety in this country. A fine display of Chinese primulas was set up by Mr. Barr, gardener to Mrs. Cheney, Wellesley, exceedingly well grown and developed plants for which he took first and third prizes. Mr. James Wheeler, Brookline, showed some very fine primulas and obtained second prize, and first prize for single blooms placed on moss in a flat dish. These flowers were from Sutton's strain of seed and all named varieties which he says come very true from seed. The flowers are very large and of extraordinary substance. He also exhibited three plants of Begonia incarnata type, improved by Mr. Chas. Sanders, gardener to Prof. Sargent, and a very decided improvement on the old variety. The plant is of more robust habit, and the flowers, which are very much larger and brighter in color, are produced in dense profusion.

D. F. Roy, gardener to E. S. Converse, Malden, also showed some very nicely grown primulas. Mr. Thatcher, gardener to John L. Gardner, Brookline, exhibited some finely grown plants of Primula stellata. W. N. Craig, of Taunton, exhibited a very fine vase of Freesia refracta alba exceedingly well grown. Mrs. E. M. Gill, of Medford, staged Lycaste Skinneri and some fine Scott carnations. Mr. Henry Wilde, superintendent for the Blake Estate, Brookline, exhibited a collection of vegetables including turnips, carrots, leeks, celery, etc., all of which were finely grown. Mr. Geo. D. Moore, of Arlington, showed some fine Tennisball lettuce for which he was awarded first and second prizes. Mr. H. R. Kinney, Worcester, showed lettuce and celery on which he came third for each exhibit. Warren Eustis & Son, Belmont, exhibited some exceedingly fine celery for which they were awarded first and second prizes.

W. C. Winter, Mansfield, showed some exceedingly good tomatoes (varieties, Chemin, May's Favorite and Stone) which were awarded first, second and third in the order named, also a gratuity for a collection of vegetables. Arthur F. Coolidge, of Cambridge, exhibited some fine turnip radishes which took first prize. W. N. Craig, of Taunton, took first and second prizes for two dishes of very fine parsley.

Lecture on Fruit Culture.

A lecture was also delivered by Mr. J. H. Hale, of South Glastonbury, Conn., on Fruit Culture, which was well attended. His audience seemed to be very much interested and at the close showed their appreciation with a vote of thanks amid tremendous applause.

A New Store.

Philip L. Carbone, of Boylston street, Boston, has opened a branch store at Cambridge, corner of Boylston street and Harvard square. The store inside is very handsomely finished in hardwood and contains a good substantial refrigerator. This store is a great acquisition to this part of the town, and let us hope Mr. Carbone may find it a good financial investment.

W. E. Doyle Loses his Pets.

Escaping gas in his store last Thursday night was the cause of a serious loss to Mr. W. E. Doyle. When a clerk opened the store in the morning before him lay dead the four large, handsome cats that have been an attraction for years in Mr. Doyle's store and were known and talked about all over the United States. They had been occupants of the store for about fourteen years. It is currently stated that Mr. Doyle has been offered fabulous prices for his large yellow pets, but always refused to part with them. Mr. Doyle has received many letters of condolence over his loss.

The gas does not seem to have injured the plants much at present, but in so short a time it is impossible to tell whether they have received much damage or not.

Visitors to the Hub.

Mr. Paul M. Pierson, of Scarborough on the Hudson, came to look after the business of his new store. It was only a flying visit of a few hours.

Mr. Henry B. Black, representing Cordley & Hayes, New York, was looking up the florists in the interests of their fibre ware in buckets and vases for cut flowers.

The Wholesale Market.

The wholesale market is plentifully supplied with nearly all sorts of flowers, which has a tendency to keep the prices down, but the quality is improving with the rather better weather. Business is quiet and likely to be for a week or two longer. Bulbous plants, such as hyacinths, Dutch tulips, narcissus, etc., are beginning to show themselves and meet with ready sale. C. H. J.

BUFFALO.

Funeral Work Helps Out.

There has been a decided drop or stop in the social whirl, and if there is an occasional flutter it is only one of the last dying kicks. But this does not prevent florists from doing business. There has been of late more than the usual number of people passing away, and it has called for many flowers; not so much the old fashioned designs which with a certain class are almost obsolete, but violets, orchids, Romans and valley have been in great demand. A week ago carnations were very scarce; it was dark and dull; now they are coming in far more plentifully, and of a quality that can't be beat.

The Supply.

Roses that are imported, as well as home grown, are of first quality. From George Fancourt, (Bag him, my boy), comes some excellent Maids, Brides, and Meteors of quality that will make even our Canuck friends look to their laurels. W. J. Palmer & Son are producing immense quantities of the leading roses, as well as their usual cut of carnations. The cut flower exchange (Sebastian Pickleman, President) are certainly headquarters for orchids, exhibiting daily large quantities of Cypripedium insigne,

Cattleya Percivalianum and Trianæ. So if business is good, we have plenty of flowers to fill our orders.

Harmon & Burr, the old reliable violet men of Darien, have at last caught up with the rather limited procession, and are now picking fine violets, a little late, but we are glad to see them still in the ring.

Notes.

The charity ball held this year in our West Side Armory was a great success, socially and financially, but called for no florist's work of any kind. Too big a place to begin decorating. The only accident that was recorded was that in which S. A. Anderson was the victim. In the left turn during a 7-step he got tangled up in his partner's dry goods and fell, fracturing the upper three inches of his shirt collar.

After a long delay the contract to erect the conservatory and other houses which will constitute the big range of glass at the South Park is awarded to Messrs. Hitchings & Co., of New York. The contract in round figures is $100,000. The name of Hitchings is sufficient to assure us that Buffalo will have its money's worth. Mr. Cowell has gained eleven pounds in three days. This contract does not quite complete the design originally intended, but what is not included will be easily obtained a little later on.

It is seldom that any ex-official receives much attention from the press, but Mr. William McMillan is an exception, showing that he is no ordinary man. What with guessing what the park commissioners are going to do and the future of Mr. McMillan, our papers daily serve us up a dish of stuff as unreliable as most newspaper trash. The latest was that Mr. McMillan had taken the position of superintendent of the Pittsburg parks. This was quite a surprise to us and we believe utterly without foundation. I think Mr. Mac will first visit the

"Land of brown heath and shaggy wood,
Land of the mountain and the flood,"

which he has not seen for more than a third of a century. The commissioners have put their auditor of the board, Mr. Brothers, in charge of the parks as general superintendent for a trial of three months "to see how it works." The subordinate staff remain "as you were."

W. S.

BALTIMORE.

Business at a Standstill.

After a busy and somewhat prosperous holiday trade, the reaction has come with appalling results. Everything is at a standstill, excepting perhaps the growers who are now turning their attention towards Easter stuff. When compared with the gale of prosperity only a short while ago the dealers are practically doing nothing, this after-lull proving much worse for them than the one experienced before the holidays.

The weather, however, has been all one could desire and flowers of every description are plentiful and of first quality, yet there is little sale for them. Old stand-bys, such as violets, carnations, etc., are even dragging.

What has happened that at this season of the year we should be so cruelly treated? Have the people become satiated on the flower question, or is it their pocket books, that are suffering with this indisposition? That may be the case of some but what is wrong with those whose credit is still good? They surely are not dead yet they also say "no flowers." The above only voices the general experience and sentiment of the trade since the first of the year.

An Improvement Looked For.

Next week, however, bids fair to start the wheel again as there are already many social events booked, such as teas, receptions and weddings, besides the regular Germans, which orders, like the unexpected funerals, arrive at the last moment, and help out a great deal.

As an afterthought of Christmas would say the plant trade seemed to surpass itself this year. Especially blooming stuff, such as cyclamens, azaleas, ericas, etc., which in arrangement of pot cover, ribbon, etc., were quite popular. Otaheite oranges, ardisias, araucarias, Farleyense, and Nephrolepis ferns also sold well. Hampers were as popular as ever, while the demand for handle baskets has revived considerably. The prevailing shades seemed to be green and red from the plant arrangements to table decorations.

Notes.

At a recent Gardeners' Club meetng Mr. Paul Binder, of Baltimore County, displayed photographs of two beautiful vases of his seedling chysanthemums—Lady Harriet, pink; Hy. A. Parr, Gold Standard, and Robert Halliday, yellow; Willobrook, Sherwood, and James Pentland, white. Mr. Binder is quite an experienced hand in the art of chyrsanthemum hybridization and has produced many beautiful results.

Mr. M. Rice, of M. Rice & Co , Phila., paid us a short visit this week. This gentleman reported his visit here more than satisfactory, as the Christmas rush has created quite a demand for florist supplies. As a mascot he now wears a white ribbon instead of a rabbit's foot.

Mr. F. J. Mitchell, of Philadelphia, also called upon us in behalf of the seed line.

Another visitor was Mr. Benj. Durfee, of the American Rose Co., Washington.

It is a current report about town that Mr. Edwin A. Siedewitz, of Annapolis, is to run in the next mayoralty race of that city. Hurrah for "Seide"! May his efforts be crowned with success.

C. F. F.

ST. PAUL.

Market Conditions.

The holiday trade is a thing of the past and growers and store men, wholesalers and retailers seem to be well satisfied over results. In the first place a week of favorable weather before Christmas brought out an abundance of good blooms. In the second place the 23rd and 24th were very favorable for shoppers who came early and late and bought more freely than for several years. In the third place Christmas morning dawned bright, clear and beautiful, a most perfect day for delivering stock, thus expediting matters and pleasing customers.

The supply of cut flowers was not equal to the demand, several large shipments being received from Chicago and Milwaukee. Meteor roses and red carnations were in the greatest demand. American Beauties were called for frequently though $12 to $15 per dozen staggered many would-be buyers. Pink roses were in good demand, while Perle and Bride were the least called for. The best roses retailed at $2.50 to $3 per dozen, the latter figure being top notch for the choicest Meteor, Testout, Siebrecht and Bridesmaid. Carnations sold readily at 75 cents per dozen, a few very choice ones bringing $1. There was an increased call for violets at $3 per 100, while Romans, paper whites and valley were in good call at 75 cents to $1.

Increase in Call for Plants.

The greatest increase in sales over previous years was in potted plants. Everything in the plant line sold well. A choice azalea selling at $2 to $5 was rarely turned aside by a customer looking for something good. Lilies sold well also, though that is such a distinctively Easter plant that many people would not think of buying it at Christmas. Palms carried off all honors in the plant line and never sold better. As a random estimate I would say that the sale of palms had more than doubled in value over a year ago. There was a big trade in greens and, at the last minute, a shortage in holly, though about enough to go round.

New Year's Trade Keeps Up the Record.

New Year's Day trade was correspondingly as good as Christmas. Charity ball occurred on New Year's Eve, also a reception to M. Martinelli, a high church dignitary—the former calling for a great many loose cut flowers, the latter for extensive decorations of holly, green, palms, etc. Shipping trade has been unusually brisk, while funeral work in the city has dropped off somewhat.

A Serious Drawback.

The only serious drawback to the holiday business here is the high prices on loose cut flowers. While a moderate advance of twenty-five to fifty per cent. would not be taken amiss by the majority of buyers, an advance of 100 per cent. or more causes hard feelings and many a solemn vow not to be "fleeced again" by the same florist; consequently the trade is boycotted for several months afterwards. If the growers, commission men, wholesalers and retailers would only get together and resolve to cut and offer only the best fresh cut stock, not to advance prices unreasonably, much good would result, and the trade for months to come be benefited instead of injured.

The quality of the stock this year was better than ever before offered here. Local growers at any rate did not pickle their stock, and good blooms were the rule, not the exception.

W. G. Bunde, representing J. C. Vaughan, is in the city spending the holidays with his parents.

Mr. E. Nagel, of Minneapolis, was a recent caller and reports a very favorable business in our sister city.

Mr. Swanson displayed a very beautiful basket of cypripediums and ferns neatly tied with ribbons.

Dr. Schiffman has a fine collection of orchids now in bloom, including some rare C. Trianæ and C. Schroederi.

X. Y. Z.

PHILADELPHIA.

Business Forecast.

The cut flower market has been very quiet since New Years. Prices remain fairly firm, but the supply exceeds the demand and in consequence the second-class stock suffers severely at times. The large balls being given now, while lavishly decorated with foliage and flowering plants, do not require many cut flowers. The German favors are sometimes of flowers and a few choice roses are often sent, but large bouquets are not popular this winter at the private balls.

General business, our own included, is steadily improving. The depression through which we have passed in the last few years is clearly shown by the number of growers who are willing and anxious to dispose of their places; some to leave the business entirely, but most of them to improve their facilities for producing elsewhere.

The retailers, taken as a class, hardly seem to have suffered so much, which would appear to show either that there is more profit in selling than in growing plants and flowers, or else that the retailers are better business men than the growers. I am disposed to take the latter view. In an admirable paper, written, I think, for the 1896 convention of the S. A. F., Mr. C. W. Ward pointed out that in times of general prosperity nearly everyone who attended to his business made something, while in times of general depression only the man who had thorough business ability could make ends meet. This is of course speaking generally, there are exceptions to all rules. Now it seems to me that the growers as a rule are not nearly such good business men as the retailers. Many of our very best growers are woefully careless in their methods, having only a general idea whether a given house has or has not paid. If you ask them the question point blank, "Did so and so pay you last year?" they would probably reply, "Well, it looked well all the season, but the sales were a trifle slow." In fact a gentleman who is posted in matters floricultural asserted a few days ago that you could count the growers around Philadelphia on your fingers, who could tell you certainly just what a house had produced and whether or not it had paid. I can hardly believe this possible, but if it is true, little wonder the retailers have the best chance of succeeding.

What successful retailer would answer such a question in a general way? He knows just what he needs and how much of it for his normal business. Of course, if the market offers good stock at a reasonable price, he may speculate a little when business is likely to be brisk, but as a rule he knows just where he stands and acts accordingly. Each grower should know just what a house costs to run, add the interest on construction and on the land, and then grow only what will pay them a living profit over this expense.

Notes.

The florist team won their first match game at ten pins in the Philadelphia Bowling League, defeating the Zingari team by 190 pins. Eleven clubs have entered the competition.

I am probably the first floricultural writer who ever mentioned the consumer at Christmas, which undoubtedly accounts for the REVIEW proof reader substituting "consignor" for "consumer" in my last letter wherein appears "the consignors (?) too, received more value for their money than of yore."

J. W. Y.

Trade Dull.

Trade on the whole is very dull. The notable exceptions are easily counted on one's fingers' ends. So when we say the Harrison Ball at Horticultural Hall was a blooming success we want to say that Graham, who had the contract, did the act creditably to himself and to the profession. The local papers speak of this society event in terms of praise, and say: "The blaze of electric lights among the gorgeous foliage produced a dream of beauty." Philadelphia cannot squeal at the condition of trade. It is about as you will find it all over the east.

Mr. Charles Fox Retires.

Among the business changes announced at the first of the year, is the retirement of Mr. Charles Fox from active business. Mr. Fox has been a life-long florist. The past fifteen or twenty years he has carried on a lucrative business on North Broad street. His trade was among the fashionable set of the North end of the city, where he made a reputation as a skilled artist in his line. While he leaves the active walks of life as a business man of our craft, we will all remember him as a most congenial and wholesome friend, who will still be seen among the florists' gatherings. May his days of leisure be blessed with health and pleasure is the wish of his many friends.

Club Meeting.

The last meeting of the Florists' Club was of exceptional interest. The club was called on to receive with deep regret the resignation of Mr. Thomas Cartledge, as treasurer. Mr. Cartledge, who has been in poor health for several months, is compelled to relinquish all work, hence the step. After reluctantly acceding to his request the club, as a token of his valuable services, tendered a resolution expressing the feeling of his many friends in trade circles.

The sad announcement of the death of Miss Lily Dean was a surprise to many present. Evidently but few of the members knew her personally, but the esteem in which the Dean family is held here called forth a resolution expressing to Mr. Dean the deepest sympathy of his many Philadelphia friends.

Mr. J. Wm. Colflesh was unanimously elected to succeed Mr. Cartledge as treasurer.

A resolution introduced by Mr. G. M. Watson which strongly condemned the free distribution of seeds by the government was adopted by a unanimous vote.

Carnation Exhibit.

In connection with the reading of the paper on the newer carnations, already published in these columns, there was an extensive display of carnation flowers at this meeting. Following is the report of the committee on exhibits:

Your committee beg to report that the exhibits comprise a long list of well grown varieties, including many novelties, in describing which the committee can scarcely do full justice in the short time allotted to them, and difficulty in properly distinguishing the exact color by artificial light.

R. Witterstaetter, Sedamsville, Cincinnati, O.—Evelina, white; good calyx; good stem.

Wm. Swayne, Kennett Square, Pa.—Empress, dark maroon; large flowers on good stiff stem.

Hugh Graham.—Vase of fine blooms of well-known variety Victor.

C. M. Fick, Philadelphia.—No. 14, exceptionally fine large white; with good calyx; compact flower; also Laura E. Doty, pink; Kathryne, white, and Mrs C. M Fick, pink.

Stollery Bros., Argyle Park, Chicago, Ill.—One plant and vase of bloom of new carnation Argyle; plant seems to be clean, healthy grower; flowers produced on long, stiff stems; bright dark pink in color; large good shaped flowers.

Collection of seedlings, H. Weber & Sons, Oakland, Md.—A number of which give promise of being first class varieties; vase of new rose, Mrs. Robert Garrett, large, delicate pink, fine form.

Henry A. Niemeyer, Erie, Pa.—Uncle Sam, variegated variety; Pluto, crimson; Goliath, red; Snow Queen, white; Rob Roy, red.

C. F. Baker, Utica, N. Y.—Red Jacket, scarlet; Oneida, good pink; both full fine flowers, and likely to prove good commercial varieties.

E. G. Hill & Co., Richmond, Ind.—Painted Lady, large fine dark pink; exceptionally good; Psyche, variegated white and pink, large and full; Seedling No. 1.000, large pink, full flower. All these varieties are exceptionally fine, with good stems and large blooms.

The Cottage Gardens, Queens, N. Y.—Collection of new varieties, many of which are likely to prove valuable additions to our list of commercial kinds, especially Bon Ton, scarlet; White Cloud, white; and John Young, another good white. Other varieties are New York, crimson seedling; Mrs. Jas. Dean, blush and scarlet seedling; a particularly fine collection in its entirety.

F. A. Blake, Rochdale, Mass.—Vase of scarlet Bon Ton; on strong stems; fine.

E. J. Weaver, Bird in Hand, Pa.—White; lightly penciled red; good calyx; gives promise of being a good sort.

C. Besold, Mineola, N. Y.—Two vases and one plant; Mrs. Francis Joost, a large flowered pink variety; on good stems, plant shows a clean robust growth.

C. S. Swayne, Kennett Square, Pa.—Sweetheart, white, deeply penciled with red.

Wm. P. Craig, Philadelphia.—Collection of standard varieties; Flora Hill, white, a fairly well known variety of the present day; Victor, pink; Mrs. G. M. Bradt, variegated, good heavy stem, large full flower; Harrison's white; Mayor Pingree, yellow; Lily Dean, large variegated variety; Jubilee, scarlet; Maud Dean, blush, with deep pink center.

John Burton, Chestnut Hill, Philadelphia.—Vase of Alba Superba, large pure white on long erect stems, well formed globular blooms: will undoubtedly become one of our standard varieties.

F.

ORANGE, N. J.

The regular meeting of the New Jersey Floricultural Society was held in Decker's Hall on Monday night, President McRorie in the chair. The secretary presented his annual report, which gave the society an active membership of eighty-six, and the treasurer reported a balance in the society's favor of $242.50. The

BUY YOUR COCOS SEED FRESH.

Our main shipment arrives this week. $7.00 per 1000 seeds. Write us for special quotations on large quantities.

ASPARAGUS Sprengeri Seed; new crop to arrive, $10 per 1000.
ASPARAGUS plumosus nanus Seed; new crop on hand. $10 per 1000.
CANNA Austria; strong, field-grown pieces. $3.50 per 100.
CANNA Italia; strong field-grown pieces. $7.50 per 100.
All other leading varieties of Cannas at equally low prices.
SPIRAEA astilboides floribunda; the best variety for pot plants. $5 per 100, $45 per 1000.
BERLIN LILY OF THE VALLEY; selected pips. $10 per 1000. Per case of 2500, $23.50.
GLADIOLUS The Bride. 60 cents per 100, $5 per 1000.
PEARL TUBEROSES; selected long bulbs, 4 to 6 inches in circumference. $7 per 1000.

TO CLOSE OUT.

CHINESE SACRED NARCISSUS (Chinese grown).
Strong selected bulbs, fine for forcing, $3.50 per 100. Case of 300 bulbs for $9.

If you want only the very best varieties of Florists' Flower Seeds, such as Verbenas, Asters, Sweet Peas, etc., send to us.

CLUCAS & BODDINGTON CO.,

TELEPHONE CALL 403 18TH ST. 501 & 503 WEST 13TH ST., NEW YORK CITY.

old officers having been unanimously re-elected there was no change—J. Hayes being vice-president, George Smith treasurer, and Peter Duff secretary.

The reports presented were adopted, and the president appointed his committees for the year. The meeting then adjourned, and all present re-assembled at John Churchouse's to partake of the annual spread, about forty members and friends sitting down thereto. President McRorie officiated as toast-master and a long list of toasts was duly honored and found responsive speakers in Dr. J. W. Kitchen, Dr. W. Dodge, G. Bird, George R. Stagg, W. A. Manda, W. Duckham, A. Herrington, C. Jones, F. L. Atkins, and J. W. Withers. Messrs. Valentine, Smith, Bird, and Morrow contributed largely to the lighter side of the evening's entertainment. The occasion proved a most enjoyable one to all present and manifested the existence of much good-fellowship among the craft located in the Oranges. H.

SHORT HILLS, N. J.

The American Bulb Co. (the United States Exotic Nurseries), successors to Pitcher & Manda, are rejuvenating the place under the able management of Mr. McFadden. They are working up a nice stock of young palms, ferns, etc., and are making goodly preparations for the spring trade in all branches of the business.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars or Estimates.

Lockland Lumber Co.,
LOCKLAND, O.

WANT ADVERTISEMENTS.

SITUATION WANTED—By a reliable, industrious young man in park or private place. Single, 23 years of age; seven years' experience; good references. Address G, care Florists' Review.

SITUATION WANTED—As foreman or propagator. Good wages or share of profit. Address,
PLANTSMAN, care Florists' Review.

WANTED—A sober and industrious young man, familiar with the care of orchids and who can also act as coachman. German preferred. Wages to the right party $25.00 a month, board and room; room heated by hot water. Address North-West, care Florists' Review.

SITUATION WANTED—Young man, well experienced in growing all kinds of plants, and well recommended, would like to have situation with commercial firm or private place. Please state wages. Address Florist, care Florists' Review.

SITUATION WANTED—By a florist, as working manager, to execute a new profitable enterprise. Expenses small, prompt returns, sterling worth. Communications confidential. At once; east, near New York. C. A. Ober, Gardener, Parsippany, N. J.

WANTED—Good man to care for palms, ferns, orchids, etc. Must be first-class. Address Q. R., care Florists' Review.

WANTED—To correspond with a good all round man for small place. Good home and steady place for man after March 1st. My man going to Klondike for gold. Ohio Boy, care Florists' Review.

SITUATION WANTED—By married man, 28 years' experience in England and America. Private or commercial. Good references. Address
JOHN DYER, Short Hills, N. J.

WANTED—Competent florist for store, Must be familiar with plants. Address Z. M., care Florists' Review.

SITUATION WANTED—German, first-class grower of roses, carnations, mums and violets, wishes to change his present situation. Address German, care Florists' Review.

WANTED—A grower that is capable of growing general bedding stock; also roses, carnations, violets and mums. 10,000 feet of glass. Only competent party need apply. L. E. Hitz, Madison, Ind.

WANTED—A successful cucumber grower, under glass and guarantee a good crop. I will pay eighteen dollars per week. Address, Ira Parker, Littleton, N. H.

SITUATION WANTED—As gardener, by a man of experience and ability, now disengaged through death of late employer. Thoroughly conversant with the management of a gentleman's country estate. Unexceptional references for ability and personal character. Address, Gardener, Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where finest cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

SITUATION WANTED—Having managed cut flower store for two years with success, I desire to change position for larger concern by April 1, Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florist Review.

WANTED—A first-class orchid, palm, fern and stove plant grower. Must be sober, industrious, honest and reliable. Address,
MINNESOTA, care Florists' Review.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salary or commission basis. A first-class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—By competent man, in florist's store. Competent to take charge. Address Robert A. Betz, 10 Van Buren Street, Chicago.

WANTED—
WANTED—
FLORIST'S ASSISTANT
FLORIST'S ASSISTANT
Married man (no children), to work under foreman; one who has had some years' experience in greenhouse work and fruit growing, and one who is willing to work on farm if required. Steady work, cottage, wood, vegetables and milk furnished. Country place. State wages wanted; references required.
J. J. Van LEUVEN,
Brighton, Livingstone Co., Mich.

FOR SALE—Buy now and save money. 21 Greenhouses, nearly all modernly built, consisting of 65,000 square ft. of glass, two acres fertile land. Steam heating plant and good water supply, stand pipes, etc. Stocked with roses, carnations, violets, miscellaneous stock, etc. A good established retail trade, consuming nearly all the stock produced, in a city of 40,000 inhabitants, in the eastern states. Will sell for one-half price. Must sell on account of other business requiring present owner's personal attention. For further particulars, address 888, care of Florists' Review.

NEW YORK MARKET,

Week Ending January 8, 1898.

Am. Beauty, fancy, extra long stem, each			60c to 75
Am. Beauty, extra, each			25c to 35
" " No. 1 each			15c to 20c
" " Culls and ordinary			
	per 100		3.00 to 5 00
Brides, 1st	"		4.00 to 6.00
" 2nd	"		2.00 to 4 00
Bridesmaids 1st	"		4.00 to 6.00
" 2nd	"		2.00 to 4.00
Meteors, 1st	"		6.00 to 10 00
" 2nd	"		2.00 to 4.00
Testouts, 1st	"		6.00 to 10.00
" 2nd	"		2.00 to 4.00
Morgans, 1st	"		4.00 to 6.00
" 2nd	"		2.00 to 4.00
Cusins, 1st	"		3.00 to 5.00
" 2nd	"		2.00 to 3.00
Perles	"		2.00 to 5.00
Carnations	"		1.00 to 2.00
" fancy	"		3.00 to 4.00
Valley	"		2 00 to 4.00
Roman Hyacinths	"		1.00 to 2.00
Harrisii	"		8.00 to 12.00
Violets	"		50 to 1.25
Paper white narcissus	"		2.00
Cattleyas	"		25.00 to 50.00
Cypripediums	"		8.00 to 10.00
Smilax	"		6.00 to 10 00
Asparagus	"		50.00

HUNT'S REVIEW OF THE CHICAGO MARKET.

Since last report market has ruled steady, prices remaining at about the same level throughout entire period. Volume of business rather light, but equal to supply in most lines.

Roses seemed to be somewhat weaker stemmed and softer in substance. Most growers report stocks breaking well and chances of prospective crop being fine. Meteors are, perhaps the poorest, save from a few favored ones. Perles in somewhat short supply. Beauties getting better color and stem and improving in cut. Brides and Maids are best of all and in most cases really tip top.

Carnations seem shortening up. Whites have been and still are in extremely short supply, and as a rule sell at an advance over colored varieties, although dealers generally quote them the same. Scotts are, perhaps, the hardest to move, due more to their own fault than anything else, as many of them are poor in many of the essential points that go to make up a good salable carnation. Good reds are still shy. Many more Portias to be seen, however. Tidal Waves are now coming in real good, and in fair supply, relatively.

Violets more plentiful and prices weakening in consequence. Lack of fragrance in them is particularly noticeable just now.

Fair supply of other seasonable stock save in small fine stuff; adiantum at a premium. Unfavorable weather conditions at present should prevent any overloading during coming week.

A number of important social events should help local business somewhat, and inquiries from outside points show that amusement season is coming into life over a wide range of tributary territory.

ST. LOUIS BOWLING CLUB.

The bowling club rolled four games of cocked hat. C. Beyer was high man, with 130; Beneke second, with 123, and Fillmore third. High single score was by Fillmore, with 45; Weber second, with 44, and Beyer and Beneke a tie for third, with 41. The regular ten were present, and we will continue to roll this game until the end of January. J. J. B.

EDWARD REID,
WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

JOHN I. RAYNOR
FIRST-CLASS Flowers
IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.
49 West 28th Street, NEW YORK.

Samuel S. Pennock
WHOLESALE FLORIST
A fine stock of Roses, Valley, Carnations, Smilax, etc., coming in, of which we can fill orders on the shortest notice.
EXTRA FINE STOCK OF BEAUTIES.
1612-14-16 Ludlow St., PHILADELPHIA, PA.
Between Chestnut and Market Streets.
Open until 8 P. M.
Local and Long Distance 'Phone 5210.

CUT ORCHIDS OUR SPECIALTY.....
We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.
MacDONALD & McMANUS, WHOLESALE FLORISTS,
50 WEST 30TH STREET, NEW YORK.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

ROOTED CUTTINGS
By the Thousand.
BY MAIL.

	Per 100
Double Petunias, 50 varieties	$1.25
10 New Varieties this year	1.50
Not less than 5 of a kind.	
Begonias, flowering, 25 varieties	$1.50-2.00
Geraniums, 25 varieties	1.15
Ivy Geraniums, 10 varieties	1.50
Abutilons, Boule de Neige, Splendens, Golden Fleece and Souv. de Bonn	1.50
Heliotrope, 4 varieties, including Lemoine's Hybrid	1.00
Strobilanthes Dyerianus	1.00
Cuphea, segar plant	.75
Ageratum, white and blue	.75
Salvia, Wm. Bedman	1.00
Gazania Splendens	1.50

Cash with order, please.
GEORGE J. HUGHES, Berlin, N. J.

MEET US AT THE OLD STAND
ALWAYS OPEN
Millang & Co.
Wholesale Commission Florists,
48 W. 29th Street, NEW YORK.
Between Broadway and Sixth Avenue

WM. J. BAKER,
WHOLESALE CUT FLOWERS,
1432 S. Penn. Square, PHILADELPHIA, PA.
Original Headquarters for CARNATIONS.

GALAX LEAVES AND LEUCOTHOE SPRAYS---Green and Bronze.
Of all wholesale florists—or write the introducer for free samples and information.
HARLAN P. KELSEY,
1150 Tremont Building, - - BOSTON, MASS.

--VERBENAS--
The finest collection in America, 35 varieties, every one a gem—mammoth size, striking colors, green as grass and as clean as a whistle. Rooted cuttings, 60 cts. per hundred: $5.00 per thousand. Strong plants, full of cuttings, $1.50 per hundred. Strictly cash with order.
SOUTH SIDE FLORAL CO., - Springfield, Ill.

E. H. HUNT

WHOLESALE CUT FLOWERS

SUPPLIES, SEEDS, TOOLS AND BULBS.

SPECIAL NOTICE.

JUST RECEIVED—Our stock of Pearl Tuberose Bulbs.

Fine, large bulbs, per 100, $1.10; per 1,000, $8.00.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking effect Monday, Jan. 17, 1898.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary selected stock	per 100,	$1.50—
Fancy	"	3.00—
ROSES.		
Beauties, long	per doz.,	6.00—
Beauties, medium	" "	3.00—
Beauties, short	" "	1.50— 2.00
Brides	per 100,	4.00— 6.00
Kaiserin	"	4.00— 6.00
Maids	"	4.00— 6.00
Meteor	"	4.00— 6.00
Perles	"	4.00— 6.00
GREENS.		
Asparagus	per string,	$ .60—
Ferns, Adiantum	per 100,	1.00—
Common Fancy, 1,000, $1.50.	per 100,	25—
Smilax	per doz., 1.25; per 100,	10.00—
Ivy Leaves	per 100,	.50—
Galax	per 1000, $1.50 "	.15—
Wild Smilax, Parlor Brand	case,	3.75—
Wild Smilax, Medium	"	5.50—
Wild Smilax, Large	"	8.00—
Extra fine lot of Wild Smilax now on hand.		
MISCELLANEOUS.		
Marguerites	per 100,	.75—
Mignonette	per bunch of 25,	1.00—
Callas	per doz.,	1.50—
Harrisii	"	1.50— 2.00
Romans	per 100,	3.00—
Paper white Narcissus	"	3.00—
Stevia	"	1.25—
Valley	"	4.00—
Violets	"	.75— 1.00

All other seasonable stock at market rates.
Regular orders solicited.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

UP-TO-DATE..... CUTTINGS

The following carnation cuttings are rooted in sand, then transplanted into good soil, are strong and healthy, every cutting a good one:

Wm. Scott and Lizzie McGowan, $1.00 per 100, $10.00 per 1,000.
Daybreak, $2.00 per 100, $15.00 per 1,000.
Coleus, Golden Bedder, Crimson Bedder and 20 other good Bedders now ready from strong top cuttings, 2¼-inch pots, will make you lots of cuttings, $1.00 per 100, $10.00 per 1,000.

Named Geraniums, up-to-date varieties, 2¼-inch pots, $2 per 100, $20 per 1,000.
Salvias, Petunias, Feverfew, Little Gem and Begonias, all named, 2¼-inch pots, at $2 per 100, $20 per 1000.

The MORRIS FLORAL CO.

MORRIS, ILL.

Bouquet Green Packed in crates, $3.50 per 100 lbs.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,

SPARTA, - - WISCONSIN.

CALVAT'S

Unrivaled set of 1897 Chrysanthemum Novelties

25 Varieties for $10.00

THE most beautiful and extraordinary lot of new Chrysanthemums ever presented. You cannot do without them. They have figured in all the prize winning lots throughout Europe the past autumn. We can supply you the 25 varieties for $10.00—ready in February— send in your order.

Send for our January List

E. G. HILL & CO., - - Richmond, Ind.

If you want

ANY TRADE
....SUPPLIES....

NOT OFFERED BY OUR

Advertisers.....

WRITE US ABOUT IT

We will see that you are placed in communication with the right party.

FLORISTS' PUBLISHING CO., 530-535 Caxton Bldg., CHICAGO.

LONDON, ONT.

A Catastrophe Creates Funeral Work.

On Monday, Jan. 3rd, municipal election day, our beautiful Forest City suffered one of the worst catastrophes in the annals of Canadian history. When the final returns were known, the mayor and aldermen elect with many thousand enthusiastic supporters, resorted to the city hall to celebrate their victory. The enthusiasm had reached a climax, when suddenly a portion of the floor gave way and the speakers, together with several hundred, were precipitated to the floor beneath. To add to the horror a large iron safe and heavy steam coil fell with and amidst the maelstrom of human beings. As soon as the debris could be cleared and assistance rendered it was found that twenty-five had been killed outright and several hundred more or less injured.

A. G. Stephens, one of London's best known florists, gives a very graphic description of his experience while pinned under heavy timbers, to see and feel those about him being crushed to death and each moment expecting that to be his last. Fortunately he escaped with a few injuries and a never-to-be-forgotten scene, vividly and indelibly pictured.

As a consequence there has been a large demand for funeral work. Nothing elaborate has been made up, but dozens of pieces ranging from $5 to $15 have been turned out. Dates for immediate social events have been cancelled, and we may expect trade to be a little dull for a time at least. W. G.

OBITUARY.

Kwai Pahn Lee.

Mr. Kwai Pahn Lee died at his home near Yonkers last Sunday morning of heart failure, following an operation for appendicitis. Mr. Lee was a Chinaman, and the junior partner of the firm of Henry & Lee, New York City, general bulb importers, better known among the large seed houses than the retailers. He was sent to Annapolis by Li Hung Chang, graduated at Yale and married the daughter of Professor Jewett, of Oberlin College.

Mr. Lee was associated with Mr. Henry about five years and was very popular with all who came in contact with him. He was also a man of deep thought and learning, thoroughly Americanized in all senses of the word. He was buried at the home of his wife's family, Norwich, Conn., Tuesday.

PROPAGATING.

Headgardener Stromback, at Lincoln Park, Chicago, is now sowing seed of Cineraria maritima candidissima and Torenia Fournierii. In the propagating bench are cuttings of chrysanthemums, coleus, ageratum, Abutilon Souv. de Bonn, achyranthes, fuchsias, Vinca elegantissima and Begonias Sandersonii, incarnata, floridus, Schmidtii and Rex varieties.

Mention the Florists' Review when writing advertisers.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE,
CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE
EXPRESS 466.

WRITE US FOR
ILLUSTRATED CATALOGUE.
WINTER & GLOVER
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
FULL LINE OF WIRE DESIGNS
AND FLORISTS' SUPPLIES.
21 Randolph St., CHICAGO.

REINBERG BROS.
500,000 FEET OF GLASS.
WHOLESALE GROWERS OF CUT FLOWERS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.
Write for Prices on....
....Rose and Carnation Rooted Cuttings.
51 WABASH AVENUE, CHICAGO.

HARDY ROSES, C. H. JOOSTEN, Importer,
193 Greenwich St., NEW YORK.
Etc., For the Garden and Greenhouse.
See advertisement this paper Dec. 2, page 57.

C. A. KUEHN WHOLESALE FLORIST
Cut Flowers and Florists' Supplies.
Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
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CINCINNATI, O.

Club Meeting—Exhibition.

The exhibit at the regular monthly meeting of the Cincinnati Florists' Society at the Jabez Elliott Flower Market was held January 8 and was considered to have been one of the best so far held under the schedule of 1897–8. Violets were to be the feature of the exhibition, but owing to their scarcity they were somewhat overshadowed by the grand display of carnations and roses.

E. G. Hill & Co.'s collection of seedlings was unusually fine and well grown. The same may be said of his vase of Flora Hill. Mr. Hill was awarded a special certificate. A. Sunderbruch's Sons were as usual in the lead with some well grown foliage and flowering plants. The City Greenhouses made a good display of decorative plants and orchids. George and Allen made the best general display, consisting mostly of roses and bulbous flowers. Wm. Murphy showed some well grown carnations, standard varieties. R. Witterstaetter's Opal, new pink, Evelina, white, were greatly admired.

In the evening the election of officers took place with the following result: R. Witterstaetter, president; A. Sunderbruch, Jr., vice-president; H. Schwarz, secretary; Ben George, treasurer; Wm. Murphy, director. Lunch and refreshments were served at the close of the meeting.

NEGRUM.

KINSMAN QUEEN MUSKMELON.

This new muskmelon seems to be meeting with considerable favor among market gardeners who have tried it. It is being introduced by Mr. Frank Banning, seedsman and florist, Kinsman, O., and his plan of having the melon tested by market gardeners in various sections of the country before offering it to the catalogue trade is certainly to be commended, and shows confidence in its merits. It is undoubtedly worthy a thorough trial by any grower of melons.

OUR GENERAL INTRODUCTION.

No. 5 of our general introduction will appear next week. Every subscriber is requested to send us a cabinet size photo for use in this general introduction, but please do not send us photos that must be returned as we have to cut them in arranging the groups.

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ASPARAGUS PLUMOSUS NANUS
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50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100 $20 per 1,000. Send for samples...
Cash with the order.
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We are booking orders now for the following Roses and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them. Send your orders in now.

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Brides . . . . . .
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$1.50

Per Hundred

Do not write for other kinds for we do not grow them.

We shall have abundance of nice plants later in the season.

CARNATIONS.

	PER HUNDRED	PER THOUSAND
Flora Hill	$5.00	$40.00
Jubilee	3.00	25.00
Mrs. Geo. M. Bradt	6.00	
Triumph	3.00	25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
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RHODODENDRONS IN JADOO.

Feeling I have made a discovery in relation to growing rhododendrons perfectly and at the same time economically, I am sure you will confer a favor on all lovers of this beautiful plant by publishing my experience with the use of Jadoo fibre.

To grow rhododendrons properly outside of districts where peat abounds is quite an expensive luxury, and yet no plant is more desirable, and in my opinion no garden is complete without them, for they stand at the head of the list of those plants that possess a furnishing feature the year round.

In one of our city parks we have a large bed of rhododendrons. They have been planted some years, but have never done well, occasionally producing a flower or two, and barely holding their own.

On examination I found the cause to be improper soil, seasoned with a few brickbats, and tin cans. My intention was to lift the plants, remove the soil to a depth of two feet and fill in with peat, replace the original plants and replenish the same with new plants, but finding the appropriation would not allow this, they had to remain as they were. However, last spring I purchased fifty small imported plants and resolved to try them in "Jadoo fibre." These were planted as an edging to the others. The holes were dug and lined with Jadoo fibre, the plants placed, and the root balls covered with the fibre, using about half a peck to each plant. The soil was then filled in and firmed. They were then left to themselves.

The experiment has proved successful. The new plants not only developed their flower buds, but have made from four to seven inches of strong growth, have formed quite a number of flower buds, and the foliage is of a rich and healthy color, and next spring I shall make an effort to treat the entire bed in the same way. If Jadoo liquid had been used in addition I presume the growth etc., would have been greater. JOHN C. LEWIS.

City Forester and Landscape Gardener.
Philadelphia.

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	Inch pot.	Inch high.	No. le'v's.	Each	Per 10.	Per 100.
Areca Lutescens	3	10-12	3-4	$0.12	$1 10	$10.00
Areca Lutescens	4	14-16	4-5	.30	2.75	25.00
Areca Rubra	3	10-12	3-4	.20	1.75	15.00
Corypha Australis	3	6-8	3-4	.12	1.10	10.00
Chamærops Excelsa	3	6-8	3-4	.12	1.10	10.00
Latania Borbonica $35.00 per 1000	2½	8-10	2-3	.05	.45	4.00
Latania Borbonica	3	10-12	3-4	.12	1.10	10.00
Phœnix Canariensis	3	6-12	2-3	.10	.90	8.00
Phœnix Canariensis	4	15-18	3-4	.22	2.00	20.00

For other varieties and sizes see wholesale list. Send for it.

W. J. HESSER, - Plattsmouth, Neb.
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BEGONIAS

At Half Price to Close Out. All Extra Fine Plants.

Thurstonii, 3½-inch.....doz., 40c,; $3.00 per 100
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A. Guttata, 3½-inch.....doz., 40c.; $3.00 per 100
Feasti, and four other kinds, 40c. per dozen; $3.00 per 100.

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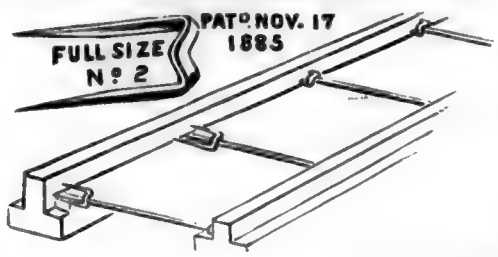
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In great variety, of all sizes. We note especially

12,000 **Dahlias,** whole roots.
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10,000 **Clematis Paniculata.**
20,000 **Wichuriana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama,** new climber.
5,000 **English Ivy,** long tops.
25,000 **Honeysuckles, Matrimony Vines, Wistarias,** etc.
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American Beauties, Brides, Maids, Perles, Belle Siebrect, Meteors.....

Write for prices to **GEO. A. KUHL,** PEKIN, ILL.

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2½ in. in best named varieties: in flats in best named varieties: rooted cuttings of Geraniums, Heliotrope, Salvia, Petunia, Coleus, etc , grown only on contract. Write for prices.

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212 N. TOD AVENUE, - WARREN, OHIO.

..High Grade Florists' Flower Seeds..

Aster Queen of the Spring, pure white, comes into bloom 2 weeks earlier than Queen of the Market — ¼ oz. $0.35, oz. $1.00

Victoria, white, scarlet, rosy, carmine, light blue, blue and white, rose or mixed — Pkt. $0.35, 1-16 oz. $1.00, ¼ oz. $3.00

Semple's superb strain of long stemmed aster, white, pink, lavender or mixed .. Pkt. .20, 1-16 oz. .50, ¼ oz. 1.50

Bellis PERENNIS, FL. PL. Maxima, red, extra large flowers — 1-32 oz. $0.50

Snowball, pure white — .50

Longfellow, pink — .25

Candytuft Dobbie's White Spiral, very fine — oz. $0.25

Empress, long white spikes — .20

Petunia Giant Fringed, single mixed, very large, beautifully penciled — Pkt. $0.50

Giant Fringed, double mixed — 1.00

Phlox Drummondi, Graf Gero. Excellent market plants, lilac and white, alba, coccinea, rosea, rosea alba occulata, sanguinea violacea or mixed. Price per pkt — $0.25

Nana Compacta—Leopoldi, red, white eye	Pkt. $0.25	oz. $3.00
Fireball	.25	3.50
Snowball	.25	3.00
Atropurpurea, dark crimson	.25	3.00
Finest mixed	.25	3.00
Pyrethrum, Golden Feather	.20	.40
Salvia Splendens	.25	
Smilax, per lb., $4.00		.40

Stocks, large flowering dwarf, white, apple blossom, carmine, purple, blood red, light blue or mixed — Pkt. .25, oz.

Giant Perfection, white — .25

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Borreatum, bronze — .50

Butterfly, pale gray, porcelain edge — .50

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Extra Early Blanche Ferry, white and pink — .50

Katherine Tracy, blush-pink — .50

Mrs. Sankey, best white — .50

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Pot Plants.....$2.50 per 100, $20.00 per 1000

Twenty other fine sorts, same price.

We have been growing and shipping Verbenas for over 20 years, and our reputation for sending out the best is thoroughly established.

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Large stock. All forcing varieties and the leading sorts of Ever Bloomers.

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Hortensis, extra strong.....$4.00 per 100

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Mixed.....3.00 per 100

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6-inch pots, very strong.....50.00 per 100

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White, large stock.....$4.00 per 100

Alyssum, 3 varieties	$ 3.00 per 100
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Ageratum, Cope's Pet.	3.00 per 100
Acalypha	4.00 per 100
Begonias, in va	4.00 per 100
Coleus.....200 for $5 00,	3.00 per 100
Coleus, rooted cuttings..$6.00 per M,	1.00 per 100
Cannas, fine sorts	6.00 per 100
Carnations, leading sorts	3.00 per 100
" rooted cuttings.$15 per M,	2.00 per 100
Chrysanthemums, fine sorts	3.00 per 100
Dracæna Indivisa, 4-inch	10.00 per 100
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Feverfew Little Gem	3.00 per 100
Fuchsias, in variety	3.00 per 100
Farfugium Grande	10.00 per 100
Lantanas	3.00 per 100
Nierembergia	3.00 per 100
Primulus, 4-inch	10.00 per 100
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New Giant Eschscholtzias, **"The Golden West"** 50c per pkt., $8 per oz.; New Giant Fancy Cosmos, six splendid varieties, separate, $1 per oz.; New Giant Cosmos, splendid mixed, 65c per oz., $10 per lb.; Calliopsis California Sunbeams, $1 per oz. Special rates given on Cosmos and Calliopsis in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale, choice mixed, $2 50 per oz.; Ipomea "Heavenly Blue," $1 per oz., $12 per lb.; Laurestinus Grandiflora, $1 per oz.; Zinnias, "new curled and crested," 50c per oz., $5 per lb.; Nasturtium "Good Venture Mixture," 60c per lb., $15 per 8 lbs.; Seaforthia Elegans, (palm) 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

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Certificated by New York Gardeners' Society and Westchester Hort. Society. A first-class Canna superior to any crimson flowering Canna advertised or introduced to date. 3½ ft. high, vigorous and good bloomer, $25.00 per 100 dormant eyes; $4.00 per dozen 12 dormant eyes; 50 at the 100 rate. All stock controlled by Rowehl & Granz. We offer the dormant eyes up to Feb. 15th. Cash with order.

ROWEHL & GRANZ,
Hicksville, L. I., N. Y.

ROOTED ROSE CUTTINGS READY NOW

Maids, Brides, Meteor, La France, Perles, Hermosa, per hundred..... **$1.25**

Well rooted and healthy. Cash with order. By mail add 10c per hundred.

J. J. LAMPERT, North King St., Xenia, O.

PALM *Seed.* **Fresh on Hand.**

	100.	1000.	3000.
Cocos Weddeliana	$1.25	$10.00	$27.50
Musa Ensete	1.25	10.00	27.50
Pandanus Utilis	1.50	12.50	35.00
Asparagus plumosus nanus (true).	1.50	12.50	35.00

J. L. SCHILLER,
404 E. 34th Street, New York, N. Y.

GEO. A. RACKHAM, Detroit, Mich.

Wholesale grower of Carnations and Small Ferns.

Rooted Cuttings of Carnations:

New—Mayor Pingree, Victor and Flora Hill, per 100, $5.00, per 1000, $40.00; Jubilee and Emma Wocker, per 100, $3.00, per 1000, $25.00; Meteor and Tidal Wave, per 100, $2.00, per 1000, $15.00; Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50, per 1000, $12.00.

All well rooted. Satisfaction guaranteed or money refunded.

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271 Broadway....New York.

CORNELIUS S. LODER, Secretary.

GRAND RAPIDS, MICH.

An Increase of Twenty-five Per Cent. in Christmas Trade.

We enjoyed a good Christmas trade, fully twenty-five per cent. greater than last year. There was an increased demand for palms for Christmas presents, as making the most desirable showing for the amount invested. The carnation crop was not so abundant as last year, but yet above the average and the demand very brisk, so much so, that many out-of-town orders had to be refused. Henry Smith says his sales increased thirty-five per cent. over last year. He had a vacant store rented on the main street and did a fine business in holly and potted plants. Christmas green was a drug and all hands wished they hadn't bought any. Holly sold well and is increasing in popular favor particularly the fad of hanging a wreath of it in each window.

Poinsettias Find Favor.

The Floral Co. made a decided hit, financially, by having a fine crop of poinsettias in; no other florist had them; they were a novelty here, in quantity, none having been grown for years and they made a decided hit. Next Christmas, all will have them. A limited quantity of needle pines and palm crowns sold round town, but nothing to speak of.

Violets sold well with the better trade, but the bunches were critically examined before accepted at thirty-five cents per dozen. In carnations the would-be customer was not nearly so particular, but in violets, nothing but choice stock went unchallenged.

New Years trade was good, but nothing compared to Christmas, besides, flowers have been scarce all the week, but what few were left were cleaned out close. It has been a very profitable Christmas for all hands and everyone wears a smile. G. F. C.

MITCHELL, S. D.—Christmas trade was considerably larger than last year and quality of stock was good. Cut flowers sold out clean. Plant trade was better than usual. Palms and ferns sold well.

TOPEKA, KANS.—The thirty-first annual meeting of the Kansas State Horticultural Society was held in this city Dec. 28 to 30.

Carnations

New Carnations

White Cloud.—White.
Gold Nugget.—Yellow.
New York (Ward).—Bright cerise pink.
Mrs. James Dean (Ward)—Clear silvery pink.
John Young (Ward).—White.
Bon Ton (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.

We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill) and Mrs. S. A. Northway (Simmons).

All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

Mrs. C. H. Peirce.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
Snow Queen.—White.
50c each, $5.00 per doz., $35.00 per 100.
Merry Christmas.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LA FAYETTE, IND.

New White Chrysanthemum Frank Hardy

Facts more eloquent than words. C. S. A. awards highest of the year. New York 95 points, Boston 94 points, Chicago 93 points, Philadelphia 89 points. First prize, white in strong competition at Boston and Philadelphia shows, and certificated wherever shown. The ideal commercial and exhibition bloom. Price, 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand. Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

FORCING SPIRÆA

Astilboides Floribunda.....$6.00 per 100
Multiflora Compacta..... 6.00 per 100

These are extra fine clumps, not divided. Also a limited quantity of Lilium speciosum album, roseum and rubrum; good for forcing—Holland grown. Orders entered now for hardy nursery stock, such as Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, H. P. Roses, Pæonia, etc.

L. C. BOBBINK, Rutherford, N. J.
BRANCH OF THE Horticultural Co., Boskoop, Holland.

SEEDS LAWN GRASS $12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS.
North-East Corner Second & Walnut Sts., Cincinnati, O.
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CARNATIONS.
From Flats. FREEDOM, best commercial white, $5.00 per 100. Daybreak, $2.00 per 100.
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MADISON, N. J.

Meeting of Gardeners' and Florists' Club.

At the regular monthly meeting of the Morris County Gardeners' and Florists' Club at Masonic Hall, Wednesday evening Dec. 8th, Mr. A. Herrington, president, in the chair, a review of the first year of the society's existence was given, the treasurer's report showing the very creditable balance in its favor of $358.50. During the club's existence it had held two very successful chrysanthemum exhibitions, the result of good organization, hard work by the officers and thorough co-operation of the regular and honorary members.

Nomination of Officers.

The business of the evening was the nomination of officers for the ensuing year and four committee men, there are eight altogether, four being holdovers. The style of nominating was the same as that carried on by the S. A. F. A. O. H. at their yearly convention, and resulted as follows: For president, Wm. Duckham, H. C. Holmes; for vice president, C. Totty, J. Jones; for secretary, C. H. Atkins, C. Totty; for treasurer, Wm. Charlton, J. Jones; for committee, M. McNulty, J. Robertson, W. Monroe, D. Shannon, Wm. Deed, J. Davis, Wm. Duckham, A. Cook, Wm. Scott. The election takes place the second Wednesday in January.

Paper by Mr. J. Jones.

Mr. J. Jones, Convent Station, N. J., read a very practical paper which resulted in some profitable argument and the advisability of holding exhibitions at the monthly meetings.

PLANT SHIPMENTS TO MICHIGAN.

In making shipments of trees, shrubs, plants or vines to points in the state of Michigan, it should be borne in mind that the laws of Michigan, Act 137, laws of 1897, section 4, provide as follows:

"Whenever any trees, shrubs, plants or vines are shipped into this state from another state, country or province, every package thereof shall be plainly labeled on the outside with the name of the consignor, the name of the consignee, the contents, and a certificate showing that contents have been inspected by a state or government officer, and that the trees, vines, plants or shrubs therein contained appear free from all injurious insects or diseases. Whenever any trees, vines, plants or shrubs are shipped into this state without such certificate plainly fixed on the outside of the package, box or car containing the same, the fact must be reported within twenty-four hours to the State Board of Agriculture by the railway, express or steamboat company, or any other person or persons carrying the same; and any agent of any railway, express or steamboat company, or any other person or persons who shall violate this section shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in any sum not less than twenty-five nor more than one hundred dollars, or imprisonment in the county jail not less than five nor more than thirty days, or may be so fined and imprisoned in the discretion of the court, and any such fine shall be paid to the State Board of Agriculture.

Express companies refuse to accept shipments for Michigan points unless the provisions of this law have been fully complied with.

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NEW BEDFORD, MASS.

Report of Christmas Sales.

With a successful Christmas trade we now settle down to hard work in preparing our houses for Easter stock. There will not be so many lilies grown here as last year owing to the increased price of bulbs, and the outlook for higher prices for some of the florists is gratifying. Christmas trade was unusually good. It nearly doubled last year and good prices were received. Carnations sold better than ever, reaching 60 cents a dozen. A few roses were left on hand. Ferns, palms, primulas and cyclamens went with a rush. All the florists are happy except one who received several hundred decorative plants just too late for Christmas trade.

Notes.

Jahn Bros. are well pleased with the trade in their new store on Pleasant street, but are unable to meet the demands, especially for carnations and roses. They were obliged to depend on others to help them out, and will probably increase their stock another season.

C. H. Waite's trade in his new store went far beyond his expectations. He filled all his orders with the exception of roses, which he was obliged to purchase of other growers.

Wm. Pierce had his usual large Christmas trade, but could have done more had he had the stock. Violets were in great demand, and there was also a lively call for primulas.

R. H. Woodhouse reports large sales of decorative plants.

The Gardeners' and Florists' club hold their annual meeting for election of officers the second Monday in January.

The Weekly Florists' Review is received among the trade here with great pleasure, and many have signified their intention of subscribing. The article on packing as a fine art with its fine illustrations, was well rendered, and in itself (for information) was worth more than a year's subscription. C.

WARREN, OHIO.

Christmas trade was not nearly so satisfactory as had been hoped, but prices were lower than last year. We never had better roses, but there was a lack of sale for them. Carnations sold well and at good prices; could have sold twice as many of these. Trade in plants was not up to last year, but the falling off was not so bad as in cut flowers. Azaleas were in best demand.

Trade since Christmas has been better than for a long time but there are few cash sales, most of the amounts having to go upon the books. Stock at present is looking fine. G.

Mr. N. Greivelding, of Merrill, Wisconsin, has in use a boiler made of fifty pieces of 2-inch pipe, the grate bars being also of pipe through which is a flow of water, and he reports that it has worked very satisfactorily with him. He considers it the most economical and best boiler he has ever had on his place.

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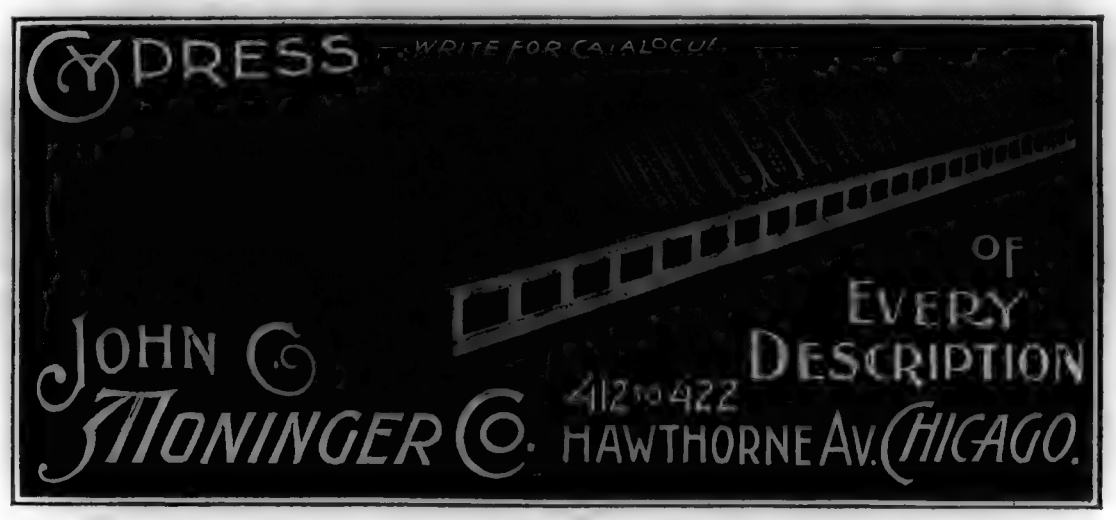
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Your Washington correspondent is in error when he states in last week's issue (page 275) that there is no appropriation made for the purchase of plants for free distribution by the Department of Agriculture. Here are quotations from the bill approved April 25, 1897, appropriating the money. At page 8 it reads: "For the purchase, propagation and distribution of valuable seeds, bulbs, trees, shrubs, vines, , cuttings and plants, and expense of labor, transportation, etc., for putting up and distributing the same, etc., one hundred and thirty thousand dollars." On page 9 it says the secretary "is authorized, empowered, directed, and required to expend not less than the sum of one hundred and ten thousand dollars in the purchase of valuable seeds."

So it will be seen that there is or was available the tidy sum of twenty thousand dollars for the distribution of "bulbs, trees, shrubs, vines, cuttings, and plants."

WASHINGTON.

GLENWOOD, IA.—The Southwestern Iowa Horticultural Society held its annual session here Dec. 21.



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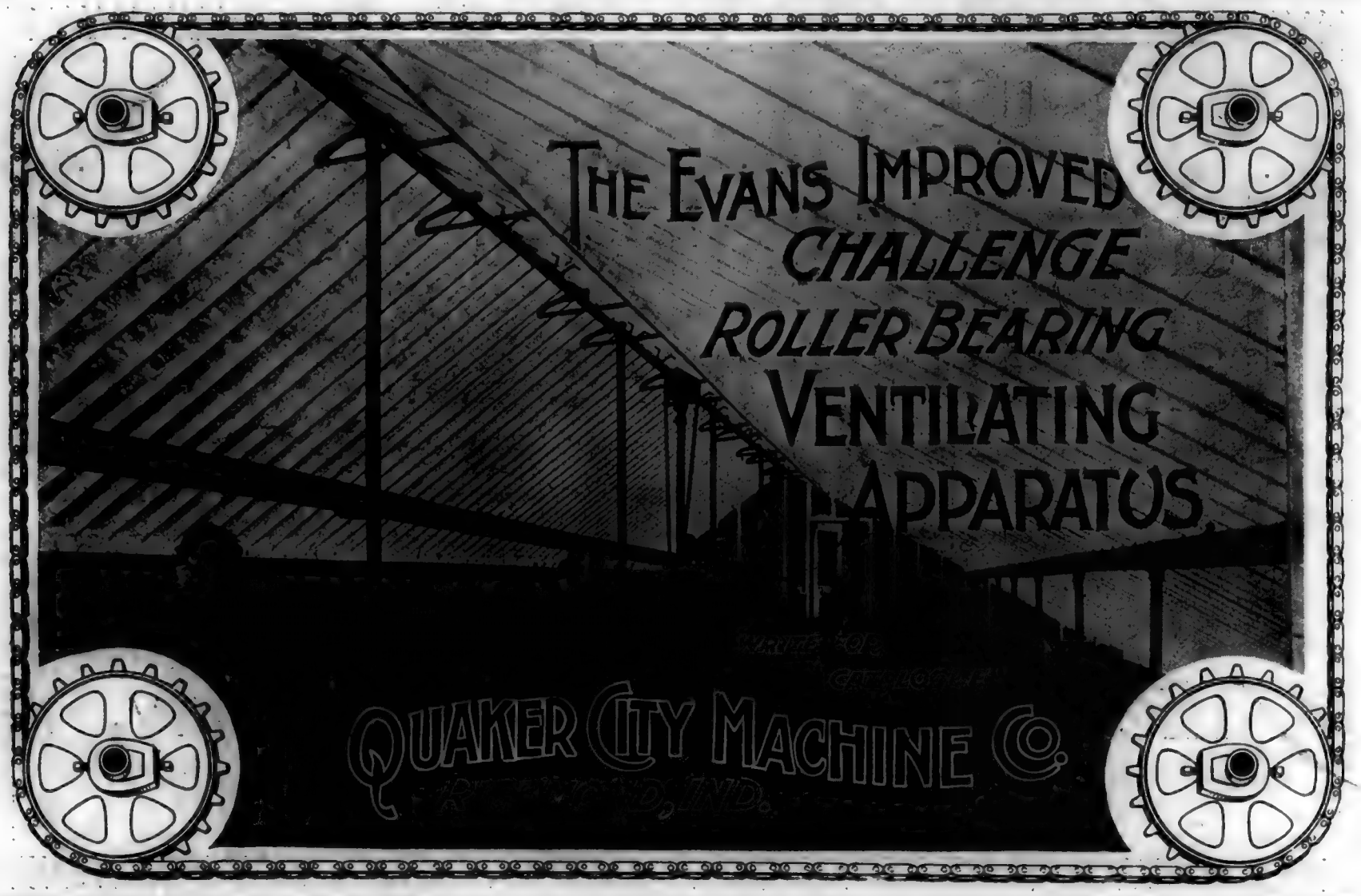
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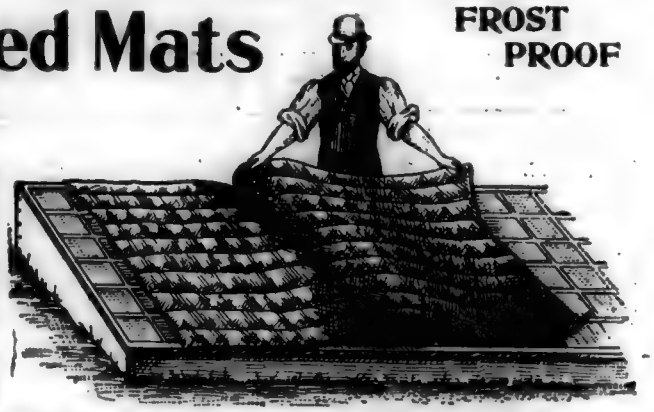


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THE WEEKLY

FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 530-538 Caxton Building, CHICAGO.

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Bed of Gomphrena Globosa.

BED OF GOMPHRENA GLOBOSA.

The accompanying engraving shows one of several beds of this "everlasting" which were a feature at Lincoln Park, Chicago, the past summer. The flowers are purplish red and are produced with great freedom all summer.

Mr. Stromback grows the plants from seed which is sown in flats of sandy loam in March. Overwatering is to be specially guarded against and bottom heat will assist germination. When two or three leaves show prick out the little plants in flats of the same soil and give bottom heat as before. When of suitable size pot the plants in thumb pots or rose pots. Shift later into 2½-inch and keep in these till time to bed out.

Plant out early in June in beds of sandy loam, placing the plants about ten inches apart. Be careful in watering, as, if the plants are overwatered they are liable to rot off at the neck.

There was a border of Phragmetes communis (quill rod) around this bed, and its silvery foliage was very effective, but it was carried off piecemeal by the English sparrows who used it in building their nests.

Beyond the bed of gomphrenas and in front of the bed of geraniums seen in the background is a bed of Cope's Pet ageratum bordered with Pyrethrum aureum (Golden feather). The ageratums are bedded out about a foot apart and will then soon fill up the intervening space.



PROPAGATION.

With the new year well under way the thoughts of the mum grower lightly turns to propagating stock for the coming season. Our system, as has previously been stated, is to root the strongest suckers as soon after the flowering season as possible and plant them out in a bench. From these we shall soon be able to propagate, and they throw good healthy cuttings that strike easily and come away much better than cuttings taken from the old stools. When the stock is limited this cannot be done, and space, too, is not always obtainable, so doubtless the old plants form the basis that most florists have to work on. If these old stools have, as too often happens, been relegated to some out-of-the-way place or under the benches, they should be brought up to the light. There is probably a space somewhere that has been cleared out by the Christmas trade that can be thus utilized. If the plants are in boxes or pots it should be seen to that the drainage is perfect, and a slight topdressing of light soil, as leaf mould or rotten manure, be given to encourage new growth.

It should be remembered that the roots are yet comparatively dormant and consequently the plants do not need much water, but a good syringing bright days will help them to start away. Golden Wedding at this season of the year is more impatient of water than any other variety and it is now generally that the foundation is laid for the disease and yellows that so often attacks this magnificent kind. The temperature should be kept up to about 50° at night, for if too low a temperature is maintained, the cuttings come hard and stunted and take a good deal longer to root. Air should be freely given in the day time as this is the best preventive of mildew and the mum hates to be coddled.

Varieties of slow growth like Major Bonnaffon, Mrs. Jerome Jones and Mrs. Robinson may be rooted any time now, the sooner the better in the case of Mrs. Jerome Jones, as the stem is short if not started in good time. Mrs. Robinson, too, does not like to be rushed at any time, for if this practice is followed a weak-necked flower generally results. Strong, vigorous growers like President Smith or Frank Hardy need not be bothered with yet. They will have lots of time to make a good stem if rooted any time up to June. Cuttings should be permitted to get a nice size for handling before they are taken off and the practice of rushing in big and little, good, bad and indifferent cuttings into the bench together cannot be too strongly condemned.

I believe more can be done in the way of raising the standard of any variety (and while you are doing that you are also necessarily raising your own grade of flowers) by careful selection than by any other means. This will be seen in the case of novelties very frequently. The plants are propagated to death to work up a big stock and it takes a couple of years before their position in the list is settled. No matter how many successive batches you may have to make don't put in a cutting till it is ready and your reputation as a grower will be all the better for it.

C. TOTTY.

New Jersey.

THE NATIONAL CHRYSANTHEMUM SOCIETY OF ENGLAND.

On page four Mr. E. G. Hill asks for information respecting what I suppose must be considered the premier chrysanthemum society of the world. Mr. Hill says, "judging by the printed report this year's exhibition has eclipsed all former efforts" If he will look up his English gardening papers containing reports of previous exhibitions, he will, I regret to say, find very similar reports, "always excelling;" still little progress seems to be made. One or two of the trade exhibits, as we are annually told, surpassed everything yet staged. If blooms increase in size at the rate which several of the horticultural papers expect us to believe, the entrances to the exhibition building would have to be widened to admit them. Candidly, the late November exhibition was not on a par, either in quality or quantity of exhibits, with many previous ones. Some of the provincial societies are enabled to offer much larger prizes than the N. C. S. and several of the best growers sent their flowers to these, rather than to the N. C. S.

Mr. Hill says, "nothing has been said in any of the various reports as to the attendance, the admission fee, the advertising, the decorations, or any other features so absolutely necessary to an American chrysanthemum show." As to the admission and attendance, owing to what many consider a peculiar arrangement made with the proprietors of the building in which the exhibition is held, the N. C. S. has nothing to do with this item. The "Aquarium" proprietors pay the N. C. S. £300, find tables and a portion of the advertising, and take the whole of the gate money which amounts to very considerable.

Now as to the "attractions." The Aquarium is really a music hall with a large number of side shows, such as "Wonderful women," prize fighters as shown by a magic lantern arrangement, fire-eaters, sky climbers, sensational divers, shooting and a hundred and one other performances accompanied by bands of music, shouting and the playing of a large organ. If these are the "attractions" which Mr. Hill considers necessary, the greater portion of the members of our N. C. S. would very much like to get rid of them.

In decorations, so to speak, there were but few. Several tables of wreaths, crosses, harps and other designs of a very ordinary character and a few tables of cut flowers from trade growers, but containing nothing remarkable, with a few groups of plants, completed the decorations. Yes, all the enthusiasm is among the 12s, 24s and 48s of blooms on hard and brightly painted green boxes. Foliage, stem, color and form, what have these things and particulars to do with chrysanthemums on this side of the "herring pond?"

The first thing we must have is size, and after that, still more size, and then when we have this we look for color and form, but such things as stem and foliage are never considered. Chrysanthemums here are grown principally to win prizes, and are not admired for their general beauty. Why, at the last floral committee meeting of the N. C. S., it was decided not to award certificates to market varieties, by which is meant commercial varieties. Exhibits of blooms arranged in vases are gradually increasing here, but very little interest is taken in this manner of exhibiting, especially at the N. C. S.'s exhibitions, for the Aquarium is about the worst place in England to make such a display; insufficient and distorted light, and a general "stuffiness" which makes the blooms soon droop and fade. Stem and foliage count as nothing in these vase exhibits, in fact the stems and blooms are generally supported by a wire arrangement.

In spite of what folks may say, I think and feel sure, we have much to learn from our American cousins as to judging and exhibiting chrysanthemums, especially if flowers are grown for what they ought to be—beauty. FORWARD.

CHRYSANTHEMUM MERRY CHRISTMAS.

We present herewith an engraving from a photograph of four flowers of this new late white chrysanthemum. It is a seedling raised by Mr. Fred Dorner, Lafayette, Ind., and will certainly be very useful in view of the fact that the flowers can be cut for Christmas sales. The blooms illustrated were cut on Christmas day and were shipped to us a few days later. We were so favorably impressed with them that we had the photograph taken. Mr. Dorner writes that the plants of Merry Christmas were growing in the same house with the earlier varieties and that when the latter



New Late White Chrysanthemum Merry Christmas.

were already beginning to bloom, Merry Christmas was just showing signs of buds.

GERANIUMS FOR WINTER FLOWERING.

On all sides one hears of a growing demand for plants and there is much to reflect over in the detailed reports of Christmas trade that have recently appeared in these pages, so many writers remarking that the demand for plants was greater than the supply. This is a healthy indication of substantial progress and depend upon it, it is a branch of the trade that is going to grow rapidly in direct ratio with the efforts that are put forth to foster and extend it.

A cyclamen or an azalea that has gone into the homes of thousands recently has proved a thing of beauty and a joy for many days, and the purchaser has got satisfaction from the purchase; yet all the cut flowers that were fit to offer found a remunerative market. The plants, therefore, should not be considered usurpers. They are rather a power for good all round and find ready purchasers in a class whose means are more limited, and who, but for them, would forego purchasing cut flowers at holiday prices.

This by way of preface, because unless the signs of the times are misleading the go-ahead florist must be looking for something else likely to take the popular eye and I certainly think geraniums in winter can be made to do so, more especially round about Christmas time. From first to last, however, they must be grown with that definite object in view, and in advocating them I am not suggesting a new and uncertain thing, although new to winter trade here. The geranium as a winter flowering plant is indispensable across the water and nothing at that season can compare with it in brilliancy, profuse blooming and in general all-round satisfaction, its beauty developing and unfolding, too, beneath leaden, sunless skies, under which the rose and carnation languish and refuse to expand.

Haphazard treatment will not make them a success, and because they grow and flower anyhow in open ground in summer, let no one think those plants can be lifted and potted as cold weather approaches and be fit to put on the market a little later. The geranium that has to flower in the winter must not be allowed to flower in summer at all, nor will it show much disposition to do so if treated after the manner indicated below.

To be a good selling article it must be a presentable plant, compact, bushy, with from eight to twelve shoots, having from ten to twenty trusses of bloom in different stages of advancement or expansion. There is a wide color range to choose from and the wise grower will adapt his colors to what his market wants, though it would appear, judging by the demand for things red at Christmas, a good red would pay best and fortunately in this family reds of intense brilliancy predominate.

The month of April or even May would not be too late to start raising stock of this kind; it would not be advisable to begin earlier than this date. Choose some good strong cuttings and insert them in the propagating bed in a temperature of about 55°, allowing each cutting ample room. An even better way would be to insert cuttings singly in a 2½-inch pot as this ensures sufficient isolation of the individual, and there are after advantages in that no check is felt when the time comes for shifting on. They should be potted on into 4-inch pots just as soon as they show an abundance of root growth, using a compost of three parts loam and one part well decayed manure. As soon as these pots are well filled with roots another shift must be given; this time into 6-inch pots, the plants to be firmly potted in soil not over rich, the aim being to secure short jointed growth and firm wood. A rank growth with a superabundance of large leaves is something to avoid, being unlikely to flower satisfactorily.

From the time that there is no more danger of spring frosts, the best place for the plants is standing upon or plunged in a bed of ashes in a sunny spot out of doors, each plant standing far enough apart to allow of exposure all round, thus inducing short stocky growth. The plants will naturally manifest a tendency to run up with two or three shoots, but this is to be corrected by pinching, an operation they will probably need about three times in the course of the season, once while in the 4-inch pots and twice after their final potting.

Further, all flower spikes that appear must be picked off up to within eight weeks of the time at which it is desired to have these plants in bloom. As the fall season advances the pots will become full of roots, and just as soon as there is a liability of frost the plants must be brought in under cover.

It occurs to me to suggest here the advantages of frames in connection with these plants as with the aid of these the plants could be kept outside longer, the simple protection they afford being sufficient for many weeks in fall. If one had frame conveniences it would be comparatively easy to have a grand batch of geraniums kept safe and sound, ready for

housing right after the houses had been cleared of early chrysanthemums and thus bring another paying crop along to maturity and realize upon it in short space of time.

To return to the plants when housed. Ventilate freely day and night while conditions permit, keeping the atmosphere dry and buoyant with a night temperature of about 50°, better a little lower than in excess of that figure. Sunlight of course will cause a proportionate rise, but air can then be freely admitted. By this time, too, the pots will be rootbound and the soil somewhat exhausted, so from now onwards manurial assistance must be freely given, cow or sheep manure water answering admirably with an occasional change off to some approved concentrated plant food. This assistance will come at the right period and materially assist flower development.

It appears to me that such geraniums, as the treatment here advised would produce, could not fail to find purchasers at remunerative prices. I should have mentioned earlier that for market work preference should be given to varieties with double or semi-double flowers as likely to stand shipment better than the single varieties.

I should like to mention Jadoo as an aid to the culture of these plants. When it was first offered in England several years ago, a sample was sent me to try and I potted some geraniums right into it. They were grown on and flowered without any additional food, merely watered with pure water as occasion demanded, and finer trusses of flowers I never had. Someone may think the cost would counteract against its use, but there is a compensating advantage in its lightness of weight.

Therefore the grower who has to ship by rail would save enormously on expressage with plants in Jadoo, and it is well known that in this material they will go longer without water. I have not actually tested the respective weights, but it seems to me that a plant in a 6-inch pot of Jadoo would only weigh about one-third as much as a plant in ordinary soil.

A. HERRINGTON.

Madison, N. J.



SOME ROSE QUESTIONS.

"Inquirer" asks: "Is Morgan rose sensitive to overwatering or running cool. Mine have dropped many of the lower leaves and as I can find no spider, wondered if 55° and sometimes 50° or 52° on cold nights caused it, or if they cannot stand as much as Bride and Bridesmaid which are growing in the same house all right."

If you kept the rose house up to 60° and suddenly dropped to 50° it might cause a change in the growth, but if your night temperature was pretty steady at 55° to 58° then no great harm would result from an occasional drop to 50°, and some other cause for leaf dropping must be looked for. Nearly all rose growers consider that the Morgan and the rose from which it is a sport, "Mad. Cusin," will take and need more water than other teas, and my own experience has been that this is correct. The quantity of water given any rose should be guided by the way water passes through the bench. If well drained there is so much less danger of over-watering than when the boards have swelled and but a small space is left for water to pass through. If the bench is properly constructed and the water quickly passes away, then Morgan will take more frequent waterings than Bridesmaid or Perle.

"Am I burning too much coal? Have about 10,000 feet of glass, half devoted to roses and half to carnations, and burn about ten tons in December, January and February each. Heated with hot water, houses well built and about eight years old; about same latitude as Buffalo." No, I don't think you are burning too much fuel. You ought to be satisfied. It depends though whether you are paying $5 per ton for hard coal or $2.50 for soft, but as you heat with hot water you are doubtless using hard coal and my answer is based on that supposition.

"What time should one stop disbudding the American Beauty to get the crop as near Christmas as possible?" Disbudding a hybrid perpetual rose, which American Beauty really is, is entirely different from disbudding a tea rose. Some growers use all the flowers that the Beauties throw up after the plant is strong enough, cutting the flowers with some length of stem to make them salable. Others merely pinch out the bud or flower. The same shoot that would produce a flower about middle or early in November, if the flower was sacrificed, would produce another about Christmas.

"What is the proper soil for American Beauty?" I have seen them grow rampant in several different textures of soil. Broadly speaking the hybrid perpetuals like a heavy soil and will thrive in a well drained clay, while the tea roses will grow in a much lighter soil. But watch them out of doors. I have seen the hybrid perpetuals grow grandly in a light loam, and the teas thrive luxuriantly in a clay, showing that soil has not half so much to do with success or failure as temperature, ventilation, watering, etc. A heavy loam sod, not too much enriched with animal manure, will suit Beauties first rate.

"Is not President Carnot rose a very slow grower, that is, slow to make new shoots where the bud is cut?" No, the experience I have had with a few hundred is that it may not break so quickly as perhaps Bridesmaid or Cusin, but nearly so. It is a grand grower, making a fine, long, stiff stem. No mildew, no spot; a grand rose and come to stay.

W. SCOTT.

NEW ROSE MRS. ROBERT GARRETT.

This new hybrid tea rose, raised by Mr. John Cook, Baltimore, is meeting with considerable praise from those who have had an opportunity to see it growing, and it is confidently believed that it will take a prominent place among desirable trade roses. The form of the flower is well shown in the accompanying engraving. The color is a pleasing pink.

GLOXINIAS—THEIR USES AND CULTURE.

It was several years ago since this strikingly attractive genus became closely associated with florists and plant lovers, and year after year from their first appearance they have been growing more in favor until at the present time the demand for them is on a par with the majority of other flowering plants. While they will not resist a great amount of rough usage in packing and shipping, their usefulness, beauty and distinctiveness in contrasts of coloring certainly equalizes these qualities and deficiencies; some being pure white, rich crimson and purple, while others are delicately spotted and penciled.

Gloxinias are naturally summer-flowering plants, but successions may be kept up the entire year, if necessary, by retarding the bulbs or raising late seedlings. They are tropical plants and so require tropical treatment, more especially when growing, to get free, healthy, luxuriant and well developed plants of floriferous habits.

The plants are more frequently started from bulbs of recent years than they were formerly, on account of several Euopean firms making a specialty of their cultitation, raising plants by the tens of thousands for the purpose of selling the bulbs, many thousands of them passing through



New Pink Rose, Mrs. Robert Garrett.

(Photographed and engraved by J. Horace McFarland Co., Harrisburg, Pa.)

our custom houses every year, being imported by four wholesale bulb and seed firms, then in turn sold to the florist and general buyer. It is a simple matter to start the bulbs and can be done in the following ways: As soon as they are received, put them in shallow flats, the propagating beds or in small pots, whichever way is the most convenient, one way being equally as good as the other under ordinary conditions, but in the latter they are more apt to dry out and be injured than in the former methods. If the bulbs are started in flats on a bench they should be potted up as soon as they begin to grow, as the extremely fine fibrous roots will be damaged if allowed to remain until the leaves begin to form and the flower buds show. Select a light material for potting, in order that the delicate roots may have free access to every part of the pot without resistance. For the ordinary size bulb a 5-inch pot will be found amply large, perhaps nothing will be gained by the use of a larger size. The question of potting and repotting is frequently raised, but in this case there is nothing to decide as all depends upon judicious watering and the least the roots are disturbed the better results the plants will show.

The soil should only be pressed down lightly with the fingers and the potting stick dispensed with entirely in this particular form of plant cultivation. After this operation put the plants in a light position, but where they can be shaded from the direct rays of the sun, or the leaves will burn and the kinds of diseases known to them will soon develop and once in poor condition they will never recover with any degree of satisfaction and may as well be consigned to the same place, and in the same way and manner, as many pretty and interesting plants have gone before without the least delay.

By the time flower buds begin to show it will be beneficial to them to apply weak doses of cow and sheep liquid manure alternately, never allowing them to become dry upon any occasion as growth will stop abruptly and the character of the plant will be disfigured. Gloxinias like a moist atmosphere in which to grow, but when the first flowers open the plants can be removed to a more congenial house and where the blooms will no be spotted or damaged by moisture or syringing.

If anyone does not wish to incur the expense of purchasing the bulbs, which are at this time sold at a very low figure, or may wish to experiment in the way of getting something new they can build up their expectations by raising seedlings which is more or less a fascinating occupation. It will take about three to four months to raise and flower a batch of this beautiful plant. Seeds can be sown any time after the fifteenth of the month and raised with a large degree of satisfaction. They should be sown in shallow pans in a light sandy soil and kept dark for a few days by covering with glass and again covering the glass with damp moss; this will encourage a more equal germination. After filling the pan with soil, first draining it thoroughly with rough material before sowing the seed, soak the soil with water. This will enable the seeds to germinate before it is necessary to water the soil again. This will prevent the seeds from being washed from their original position as no soil should be used to cover the seeds. A light pressure with a flat instrument will accomplish the same purpose as covering them and will at the same time be much safer, as in the case of covering many of these diminutive grains might be buried and lost. Should, however, it be found necessary to moisten the soil it can be done with the aid of a sponge without any ill results if carefully applied.

In about ten days the minute green germs will show. Light must be given gradually, avoiding the sun. When the plants are large enough to remove on the point of a lead pencil, flats should be made ready using a finely sifted soil to prick out the little plants, planting them about an inch apart. Don't allow the sun to shine upon the flats or the plants will disappear as if by magic, nor must they get too much moisture or they will figure in a similar act. When they are large enough pot them in 2-inch pots and give them light and water, as in the preceding instructions only a fine rose can be used to water with until the plants are started and the soil settled on the top of the pot. The plants being well rooted in this size pot should be transferred into a 5-inch; when established should get liquid manure as above outlined.

Gloxinias can be readily propagated in several ways if you want to increase the stock of a particular color. Cuttings taken from the old bulb when first started

will root very quickly and make bulbs that will give you a large plant the following year. Leaf cuttings may also be made when the leaf is matured. Cutting the leaves into small pieces with a portion of petiole attached, a bulb will form at the base which will make a flowering plant another year.

Another method may be used to propagate more rapidly with matured leaves. Lay the leaves upon the propagating bed and cover the ribs about an inch apart, peg down each end where the incision was made and small bulbs will form that can be carried over for another year. Thrip and red spider are their principal enemies. These can be kept down and entirely eradicated by the free use of tobacco stems.

The flowers and plants can be used for many admirable purposes, table pieces, mantel decorations and as a house plant it appears to hold its own with many others. F. L. ATKINS.

Short Hills, N. J.

CARNATIONS

PROPAGATION.

Manifold are the ways in the arrangement and location of the propagating houses; in their interior arrangement, or the arrangement of a bench or part of one in a house where other plants are also grown; in the procedure of taking and trimming the cuttings; in the selection of the sand, and treatment of the cuttings while in course of rooting. The ways may differ, but the principles of rooting a cutting successfully are invariably the same.

Temperature and moisture have to be mostly considered. If we detach a cutting from the mother plant and try to root it in a much higher or lower temperature it can only result in failure. The change in temperature will affect the working of the cells, for on the uninterrupted activity of the minute vessels filled with pulsating life, of which stem and leaves are constructed, depends eventually the formation of roots, the completion of a new plant.

Combined with temperature is moisture. To attempt to root a cutting in a higher temperature than the carnation requires for its welfare may result otherwise than what is intended, to root them more quickly and save time. First, a higher temperature is generally the cause of the appearance of cutting bench fungus. It will cause to evaporate more moisture from the leaves than the cutting is able to absorb, cause wilting, consequently inaction, and when not eventually ending in a total collapse, retards the formation of roots for a long time.

The other cause is just the reverse, but often not less disastrous. The atmosphere may be kept so moisture-laden that evaporation is decreased to a minimum, the action increased, root formation hastened, but the whole structure of the new plant is made so sensitive, so delicate, that it easily falls a prey to disease, and when replaced again into the cooler, normal temperature, the check is so severe that the time gained is lost again, two and three times over, and besides the young plant may have become impregnated with the germs of disease, that will break out sooner or later and end in destruction. A low temperature will retard the formation of roots and cause loss of time, but will otherwise not affect the health of the plants. The best temperature for general cultivation is the average night temperature of 55°; day temperature, if it can be avoided should never run above 60°.

The need of watering depends much on the texture of the sand. A coarse sand will require more water than a finer one, as it will not retain moisture so long. In a normal temperature the cuttings should never wilt when properly shaded; if they do it is owing to lack of water.

I will shortly describe our propagating house, and mode of propagation, as it will best give my idea of this work. Our propagating house is a common even span 20x100 feet running north and south. The whole is shaded with a whitewash made of white lead and coal oil. I have found this the best shading, as it gives the glass a milky appearance; while giving shade it still leaves it light enough in cloudy weather. The interior arrangement is one large center bench and two smaller side benches. The center and east side bench we use for propagating. They are four inches deep, have brick bottoms, with the heating pipes running underneath and are entirely open on the sides. There is enough drainage between the bricks to drain all surplus water, and the bricks are an excellent conductor of a gentle bottom heat. One steam pipe runs overhead. On the west side we leave the two lower lights of glass without shade, for we use that bench on which to place flats with rooted transplanted cuttings, before removing them to a lighter house.

The sand we use is a medium grained, clean pit sand. Before the sand is filled in we give a light sprinkling of sulphur over the bottom. The benches are filled even full, then well watered, and the sand pounded down solid; the four inches of sand generally pound down to three inches. This makes the bench ready to receive the cuttings. To insert the cuttings we draw a line with a knife about one inch deep, insert the cuttings three-fourths of an inch apart and the rows one and one-half inches. After each row is planted the sand is gently pressed on again. We water freely in a gentle spray so the water runs through the bench. The drainage between the bricks allows us to do so, and I find that our stock keeps healthier than with less watering, and the water is retained in a tight bench.

There are different opinions as to what constitutes a good cutting. That only healthy stock should be selected from which to take cuttings should need no repetition. I consider any young shoot from three to four inches long a good cutting; if longer, the flower bud may have commenced to form, and these buds push out quicker than the cutting will form roots; the strength of the cutting is divided, but when the buds are removed in time will still make good plants. The most desirable cuttings are those taken from the base or along the lower part of the flower stem. They can be taken from the axil of the leaves, coming off with a clean heel that does not need any further trimming. Cuttings otherwise taken we break out and trim afterwards. I object to the pulling of the cutting, as it seems to me the pulling must strain and injure the cells at the break. In trimming I prefer to make a clean cut with a sharp knife a little above a joint, so the lower pair of leaves can be peeled off; this leaves a clean heel.

On all cuttings the lower leaves are removed as far as the cutting will be inserted in the sand. We often find cuttings taken from the axil of a leaf that do not have a clean heel, but a rosette of hard leaves at the base. Such cuttings will never root well; one-quarter to one-half of an inch cut away will generally give a clean heel. We invariably trim the leaves of our cuttings. I may add yet that a good cutting should not be too soft, neither too hard, and should have a good proportionate stem and not all leaves, as is often the case.

When rooted the young plants should be planted in a light, rich soil and placed in a cool, sunny house, where the young plants can be kept growing and shifted to larger pots as they will require, the early made cuttings being unmistakably the best. Otherwise when room is scarce, and they are placed in out-of-the-way places, kept in small pots or flats, planted close together, so they will become stunted, the later struck cuttings are much more desirable. A young plant should be kept uninterrupted in a growing condition until planted out if one wishes to derive the benefits of an early propagation. FRED DORNER.

AMERICAN CARNATIONISTS.

At the risk of being called visionary I offer the following suggestions, and trust that they will be freely criticised in the trade papers and at our meeting in Chicago:

As the $500 proposition made some time back does not seem practical, I now propose that I will be one of twenty or more to donate annually $25 for the use of The American Carnation Society, one-half of the money thus donated to be used toward offering premiums at our annual



Simple Floral Arrangements. No. 1.

exhibition, the other half to be used toward the running expenses of the Society on the following lines:

First, that a committee of three be appointed to take charge of the interests between the shipper of either flowers or plants and the express companies. Let this committee get up a shipping label and have it copyrighted for use by members of this society only. Give them power to enforce care being used in the handling of goods shipped under this label. Rivalry between the express companies and the knowledge that this committee is backed by a good live society would soon cause them to accede to any reasonable demands made by said committee.

There should also be an arbitration committee appointed to whom could be brought all differences of any magnitude between members for adjustment. This would still further improve trade relations between members of the society, although the society by its mere existence has already accomplished this to a great degree.

A reference list should be established and issued three times a year: September 1, January 1, and June 1, giving the bad-pay purchasers throughout the country, both growers and retailers or store men.

A blank form should be gotten up giving the principal characteristcs of carnations that are grown, old and new, or being introduced, and these filled in by twenty or more members from different localities. Bulletins containing such reports to be sent twice or three times a year to all members of the society.

All of these things would take money, as the men who do the work should be fairly remunerated for their trouble, but I believe they could all be done and the actual expenses of the society met with the $250 and the annual dues received.

Other lines of work would develop and could be added as the membership increases. This it would be bound to do if the benefits are confined to members only (where they rightly belong) but not excluding trade papers from matter to which they are entitled. This society should be, and can make itself, worth considerable more than the $2 annual dues to every man who grows carnations and to every store that handles them.

There is only one thing necessary and that is for every member who can, to attend the meeting in Chicago determined to put his shoulder to the wheel and make it a business meeting of business men. Those carnationists who are not members should come and join and make 1898 the most successful year of the American Carnation Society.

A. M. HERR.

CARNATION MRS. BRADT.

In Mr. Dorner's notes he very properly criticised my remarks on Mrs. Bradt. When I issued my first batch of notes I was thinking of Mrs. Bradt as I saw it last season when the stem was much weaker than it now is. I have seen a number of batches of it growing lately and they are producing much stronger stems, showing that one can easily be mistaken in forming an opinion of a variety from those shown at the exhibitions.

A. M. HERR.

SIMPLE FLORAL ARRANGEMENTS.

The editor of the FLORISTS' REVIEW has asked me to send occasional photographs of floral arrangements that we turn out, and any other details about a florist's business that would make interesting illustrations; and says further: "We have frequent calls from our subscribers for illustrations of the more simple floral arrangements, such as they can use themselves. They find the elaborate arrangement of flowers in the large cities of interest, but desire also to have something more in line with the work they are obliged to make up themselves. Of course, every florist has more or less of this class of work, but as a general rule he does not consider it worthy of a photograph."

I trust this explanatory paragraph will set me right with the readers of the REVIEW; and that I will not be thought presumptuous, nor out of date, if in compliance with the reasonable request, I send for reproduction photographs of ordinary every-day work such as any fairly equipped florist can turn out on short notice at any season of the year.

I feel more free to do this because I have seen at pretentious flower shows, work entered for competition that I would have been ashamed to offer to my most unappreciative patron; work in which the stems of all the flowers used seemed to be cut to the same measured length, and where each rosebud was inserted in the design at an exact right angle to its surface, accurately spaced, and so far apart that the base of moss covered with shining foil, was very much in evidence. If such things were thought worthy to win a prize in good competition, what must some of the work be that is turned out in country towns, made with insufficient or improper material, at a ruinously insufficient price?

Fashions in flowers and floral work vary with the locality; and although we do not make up nearly so many pieces of formal shape as we did a few years ago, pillows are among the number most often required; and the illustration presented herewith represents one made on an 18-inch frame, and will I think require little explanation. Ordinarily the flowers and greenery used project so much on the lower side that they hide the wire support in front, and it is necessary only to cover the longer supports at the back; but in this case the camera was set too low, and the wires should have been hidden by smilax. The kinds of flowers used will vary with the season; but rosebuds and carnations should very rarely be absent, and may well be the only flowers used.

We try to avoid lettering when we can, or if we must use some, advise shortening to one or two short words, and use a small plain letter; the overhanging foliage sometimes partially concealing some portion of the inscription. The letters should be properly spaced, securely fastened, and if placed on a narrow field of white immortelles, or Cape flowers, will be more likely to retain their position than if set on fresh flowers. Lettering is often run directly across the design; but looks very formal and angular in that way. The method indicated is our own, and we think it more pleasing. Adiantum fronds make the most beautiful garnishing, but matured pieces of Asparagus plumosus will be found more lasting.

Franklin, Pa. W. T. BELL.

GOVERNMENT SEEDS.

By a vote of 155 to 19 Congress has passed another appropriation to continue the free seed distribution. Evidently the end of this absurdity is not yet.

MISCELLANEOUS SEASONABLE HINTS.

Azaleas.

I have often reminded you to rub off the young growths of the azaleas. It has to be done more than once during the winter. If you don't the growth of wood will take precedence over the bud, which will shrivel up. Some varieties are more liable to do this than others. Vervæneana is one of the worst, but all need watching,

Genistas.

It is too late to do any more stopping of genistas except where a straggling growth is made. They are generally rather early for Easter, at least when Easter comes "medium to late," (this year April 10th) so keep them as cool as possible without freezing for the next six weeks. They are not a good house plant, dropping flowers and leaves quickly, but are very pretty and attractive and will last quite as long as fifty cents worth of cut flowers.

Dutch Hyacinths.

You can now bring in some of your first potted Dutch hyacinths and in a night temperature of 60° they will be entirely satisfactory. Some varieties are better adapted for early forcing than others, but few of us, even if we grow thousands and import them under name, keep varieties separate, so to mention particular varieties would be useless. Don't attempt any hot-box business with them as you would tulips in December. They would be best with a subdued light till the spike is well up, then give them full daylight.

Hydrangeas.

Hydrangeas are forced for Easter sales, but there is so much "force" about the operation, and when sold so soon collapse that we can get along without them. They bring vexation and trouble into our otherwise quiet life. A plant that will look well for two weeks, such as an azalea, is sold with a clear conscience, but one that wilts over night, never to be revived, can be dispensed with. Those who find it profitable to get hydrangeas in flower at Easter will continue to do so, whatever is said. If we don't approve of them as an early spring plant, we value them highly later on and a few brought into heat now will flower in May without much forcing. Look out for red spider, they attack the flowers as well as the leaves. Plenty of syringing will keep these little pests down. Of late years the hydrangea has been much asked for as a plant in a large pot or tub for a veranda plant. Now those that have been in the least forced are by no means fit for that purpose. If fully out in the greenhouse their period of beauty will be brief out of doors, so if you have any large plants and you wish to sell them for a good price and bring you credit, keep them as dormant as possible; under a bench wont do nor will a warm cellar. A cellar where there was some light and the temperature down to about freezing would be the ideal place for them. A very handsome pair of hydrangeas, that for years ornamented one of our beautiful Delaware avenue lawns, were wintered in the basement of a large coach house and stable, where no artificial heat was used, and not brought out till beginning of May, or till danger of frost was passed. Those lifted and potted last fall will need no more shifting this spring. Larger plants carried over summer in pots will want a shift, or if that is not convenient, a heavy mulch. Of all gross feeding plants or shrubs the florist handles, the hydrangea takes the cake, or rather the soil, manure and water. When the old plants are starting to grow, as they now are unless kept very cool, is the best time to take cuttings for your next year's flowering plants. Short, stout growths make the best plants, and the sooner they are rooted the larger plants you will have for next fall. There is always a number of young shoots springing from the bottom of the plant which would not give flowers, but make excellent material for cuttings. Don't wait till April and take the top of a long, blind shoot; they make poor plants.

Calceolarias.

The calceolaria is not as much grown now-a-days as it should be. What cheap plant is there more attractive? They are bound to sell. Beside that much-grown plant the cineraria they are an aristocrat. If you have any coming on take care of them. Why you don't see them more often is because they need to be well understood. I would not say they are a difficult plant to grow; few plants are when you know how, but they are much easier ruined than a cattleya, a croton, or a Caryota urens. Those I see now, daily, are in 5-inch pots. They want a low temperature; 40° at night will do well. When you see the dew glistening on the woolly surface of their leaves, the plants are in their right element. Like the cineraria, an over-watering will kill them; but they don't want to be starved for water for all that. Greenfly delights to pasture beneath their handsome leaves and attains its maximum size while sucking its juices. A heavy fumigation, particularly if they are not accustomed to it, will burn the leaves and ruin the plants beyond recovery. But if you have allowed the fly to get a foothold, you must smoke, but do it often and mildly. Fresh tobacco stems among the pots will help greatly to keep down the aphis. If you don't want to fumigate, vaporize the Rose Leaf Extract with the cake dish and red-hot iron. I have never seen the most tender leaf or frond in the least injured by it.

Cyclamens.

If you want first-class cyclamens by next Christmas you must not neglect the young plants now. They should be *grown* from the day the seed germinates till they are in flower. Those sown the end of September or early in October will now be in 2 or 2½-inch pots. Keep them near the light. If you have a light bench it will do, if not, a shelf a foot or two from the glass will suit them well. Fifty-five degrees is cool enough for the little plants. They should be in a house where you weekly fumigate, for greenfly is very fond of the cyclamen at all stages, especially the young growths. When the roots are showing plentifully don't be afraid to give them another shift. Never let them get stunted or stunted they will remain.

Pelargoniums.

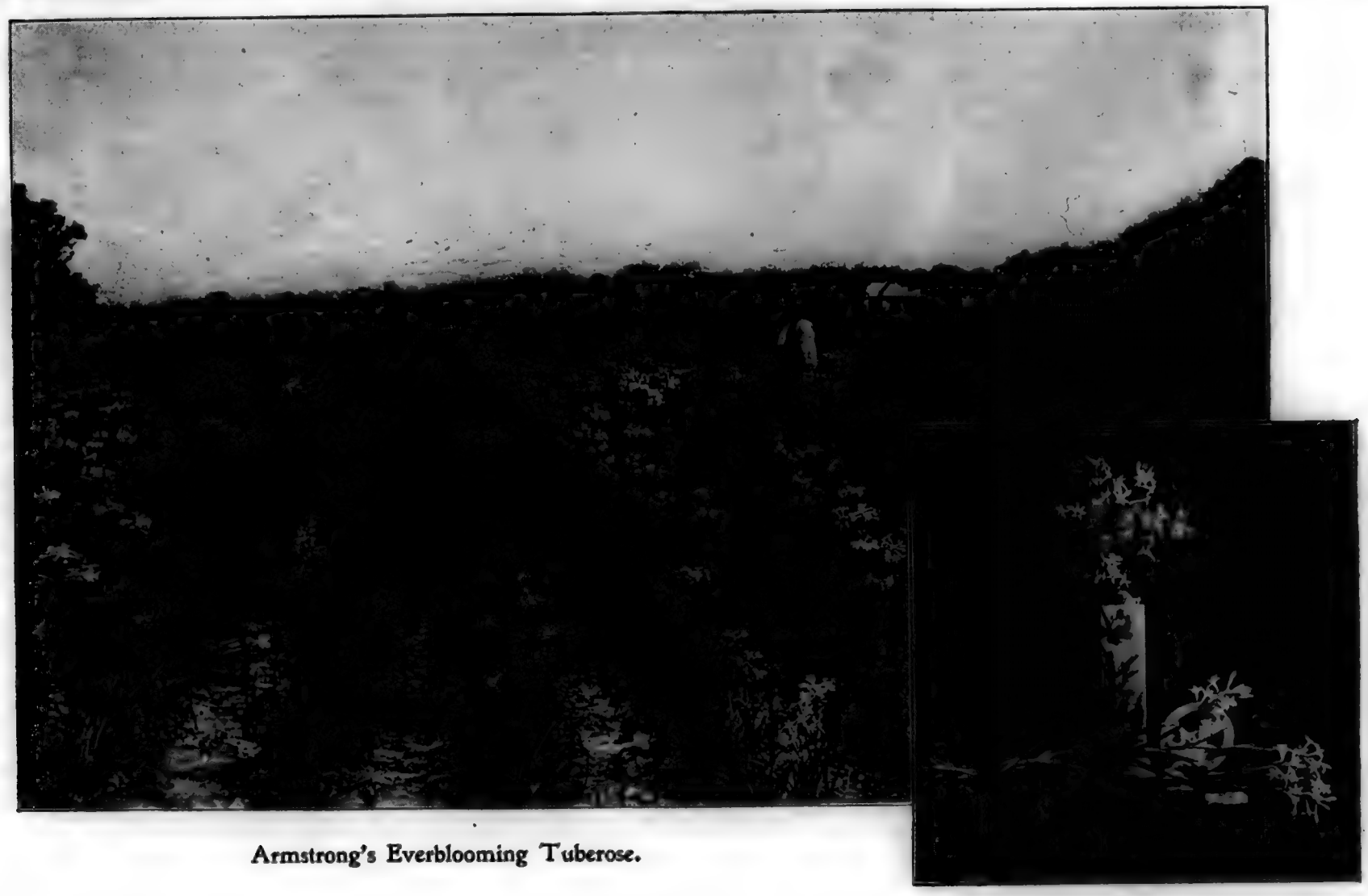
I notice a few pelargoniums that are now showing bud and will easily be in full flower by early April. Give them the lightest, driest, and airiest bench you have and a temperature of 55° at night. These are plants that were cut down last September. Plants from cuttings taken from these old plants when cut down are now in 4-inch pots and on a cool bench kept rather on the dry side. They will make their best growth in March and April and flower in May.

Harrisii Lilies—Staking.

We have just completed tying or rather staking our Harrisii lilies, which we think are just right for Easter. When a lily, however strong it may be, is one foot above the pot it should have its stake. In handling, I have seen them broken off at the top of the bulb and if they get long and heavy will sway to one side, and when straightened up there is a cruel operation performed. You will hear a cracking at top of bulb; this can't be good for the health of the lily. As it must be done some time, tie them when the plants are small. It will be done in half the time. You can guess the necessary height of the stake by the growth of the plant. If your stake should be a few inches too long it is easily cut off, much easier than splicing a piece on. Staking and tying plants, like potting and shifting and some other of our operations, are purely mechanical, unlike watering which is only slightly mechanical and largely mental; admitting of course that to be expert at a mechanical operation, you must when learning have exercised considerable brains, but when expertness is once acquired it is no longer a tax on your thinking powers, but comes to you as easy as the proverbial "falling off a log" or that social function which demands the observation, "Here's to ye". Yet it is strange that men do not observe.

I have seen gardeners, who should know better, stake plants very crudely. It requires a little practice, in fact a good deal to put the stake into a lily pot perfectly perpendicular as it should be. Then again they will ram the stake down close to the bulb, when it not only looks better, but is better two inches away. Then they will tie the lily stalk right to the stake, hardly allowing room for the stem to grow in size. No need of it, a play of an inch or two has a better appearance and much more natural.

Raffia is much better for a tying material than any string of whatever texture or color. Some florists don't seem to know that a very small strand of raffia is strong enough to hang a man, so a very thin piece will hold a lily in place and a twist between the thumb and finger rolls it up into a thread, making it still stronger and neater. I have seen some leave the raffia in a broad band round the stake and plant, having the appearance of a sore throat, with a bandage round it.



Armstrong's Everblooming Tuberose.

Ventilation.

Last week we had almost the weather of April. When such days occur you should never lose a chance to give air and lots of it to the plants you are wintering in cold frames. Carnations, roses, clematis, pansies will be greatly benefited by fresh air, especially if it is warm. If the weather is cold and the ground covered with snow, they will go for weeks without harm, but whenever the temperature gets near 32°, open the sash and brush off the snow, or the latter first.

WM. SCOTT.

AN EVERBLOOMING TUBEROSE.

The accompanying engraving shows a field and some individual spikes of bloom of the everblooming tuberose that originated with Mr. Luther Armstrong, St. Louis, Mo. There is a continuous formation of flower buds around the old flower stalk, the same bulb continuing to bloom from year to year. The flowers are single, pure white during the hottest and driest weather, and the buds open after being cut and placed in water like the gladiolus. All the bulbs in the field illustrated had bloomed the previous season.

This tuberose was awarded a certificate of merit at the Providence convention of the S. A. F. and won the Shaw gold medal at the last St. Louis exhibition, offered for a plant of merit not before in commerce. It will undoubtedly prove exceedingly useful as a summer cut flower and take the place of all other varieties of the single tuberose.

THE HARRISII DISEASE.

Mr. E. Buettner, Park Ridge, Ill., believes the trouble is entirely due to a little insect which can be readily seen under a strong hand magnifying glass, and he has found this insect on longiflorums from Japan and Spanish irises from Holland as well as on Harrisii from Bermuda. He has found as many as 500 of these insects on one bulb and rarely less than 20 to 30. He believes that a diseased shoot of the lily is evidence that this mite had reached the center of the bulb, and that the spots on the leaves are where the insect has bitten through the tissues of the shoot in the heart of the bulb. In bulbs that failed to grow the center was rotten and full of these mites. He believes that the decay is simply the natural result of the injury done to the tissues by the mite. In the scales of the bulb were found cavities containing the mites. He has never seen a diseased bulb that did not contain these mites.

The mites are about the size of the red spider and under the naked eye are apt to be confused with the fine grains of white sand that generally adhere to Harrisii bulbs when received. Under the magnifying glass they are seen to be a translucent white, nearly round in shape and slow in their movements, color turning to brown with age.

In the future he will have each bulb inspected under a hand magnifying glass and each bulb having any of these mites will be rejected. He hopes that the Bermuda growers will take steps to check the spread of this insect and establish a system of inspection which will prevent the exportation of affected bulbs, as otherwise their market in this country will be destroyed. He says he cannot afford to pay a high price for bulbs and then lose from twenty-five to fifty per cent. of them. If this continues he must stop growing Harrisii lilies, and has already reduced his orders for bulbs simply on account of the losses due to the insect.

Mr. Buettner notes a great difference in Japan longiflorums. Some with broad leaves seem to flower well and others with narrow foliage seem to be coming blind. He presumes that the bulbs are grown largely from seed in Japan and that the difference is due to seed variations.

LONG ISLAND NOTES.

Mr. Besold, of recent carnation fame, being the grower and introducer of the new variety, Mrs. Frances Joost, met me at the Mineola depot with his 2:40 horse and a smile.

After a drive of about a mile over a typical Long Island road we arrived at the greenhouses and I was there introduced to Mrs. Frances Joost (no rhyme intended) for the first time. My first impression was that it was a very strong upright growing variety, and not a stake is used. Some were grown in solid beds and some on benches. Mr. Besold prefers the solid bed for this variety, or for any carnation for that matter, if set out in the house by the first of June, or earlier if you can spare the room. A description appeared in our columns recently. It is all the introducer claims for it and it will, I

am sure, stand comparison with any all round pink in the market.

A house of Scott and McGowan, the two parents, reminded one more of a field of wheat with their wealth of buds and luxuriant growth. There was also a bench of promising seedlings of which more will be heard later.

Every inch of space is utilized to advantage here and a succession of crops is aimed at. For instance, after the chrysanthemums were cut, Mr. Besold planted out a lot of Harrisii from 4-inch pots and from indications it was a very wise move. Order and cleanliness is the rule rather than the exception here and the boiler room even was as clean as a kitchen. Hot water under pressure is used here and a pressure and temperature gauge are precautions that result in equalizing the temperature in the houses.

Among other things, I noted a very fine house of cinerarias that will be in prime shape about Easter. The young plants of Mrs. Frances Joost were very thrifty and free from rust and contrary to a good many varieties, were "breaking." even though in small pots and not pinched.

It was dusk when I arrived at the Seawanhaka Greenhouses, Oyster Bay, and was somewhat disappointed, when the smiling manager, Mr. "Jim" Clark, told me that they did not raise oyster plants at his place. A hurried glance through revealed a well appointed place, and a house of excellent cyclamens. Big stocks of "soft stuff" are raised here. Besides a nice collection of ferns and small palms, there were some handsome baskets of Asparagus Sprengerii, and a small bed of Asparagus plumosus, from which Mr. Clark said he had gathered over 35,000 seeds. A good paying crop, I should think.

B.

HORTICULTURE IN HOLLAND.

Illustrated Lecture by John K. M. L. Farquhar Before the Massachusetts Horticultural Society.

John K.M. L. Farquhar, of Boston, gave a lecture before the Massachusetts Horticultural Society, January 15, on "Horticulture in Holland." The stereopticon illustrations added much to the lecture, of which the following is an abstract:

Holland presents to the horticulturist many interesting features of her own. For two hundred years she has supplied the nations of northern latitudes with bulbs from which to raise flowers to brighten their conservatories in winter and their gardens in spring, and she has established a constantly increasing business, the monopoly of which seems assured to her for ages so come. Her exports of bulbs and nursery stock now aggregate five million dollars annually.

Such elaborate flower stores as we have in Boston are not found in Holland. As we pass through Rotterdam or Amsterdam we see a flower market where a few men and women do the business, the flowers being chiefly of the more ordinary kinds, brought there in the morning and sold at low prices, and by noon the business is over. Dutch horticulturists devote most of their energy to supplying the wants of other nations, their home trade—especially in cut flowers—being exceedingly small.

In Holland we find no such gigantic greenhouses as may be seen on large estates in England, such as Chatsworth or Zion House, hardy trees, shrubs, vines and herbaceous plants being more generally depended on for landscape decoration. This policy we find successfully exemplified in Boston's new parks. Many of the residential streets and even the narrow business streets of Rotterdam have valuable space devoted to trees—more, I think, than our citizens would be willing to allot under similar conditions.

Haarlem is the largest city of North Holland, and the trade center of the bulb-growing district. If we proceed by steam train from Haarlem by way of Vogelenzang we pass through extensive bulb fields, towards the Lake of Haarlem. There is, however, no Lake of Haarlem now; only a great canal, surrounded by seventy square miles of lowland that fifty years ago was lake. Here on the western side of the canal we find the finest hyacinth ground in Holland. The soil is of various kinds—peat, clay and sand; the last being what is chosen for hyacinth culture. It is prepared by giving it a heavy application of cow manure, which is brought to the fields in boats from Leyden, Amsterdam or Rotterdam.

Hyacinths, narcissuses and tulips are set in trenches six inches deep; crocuses, scillas and snowdrops in trenches three inches deep. Before the cold sets in all the planted fields are thickly covered with reeds, which grow along the edges of the canals, and are cultivated in the north of Holland for this purpose. Great care is taken to prevent frost from reaching the bulbs, for as they are planted early in autumn they soon make long roots, and frost reaching the bulbs would raise them up and detach them from their roots. Spring flowering bulbous plants are rapid growers, requiring a large supply of nourishment, and unless their roots are well developed in advance of the top and kept in good condition, they will be unable to furnish the needed food, and failure, or partial failure, will result.

Large growers are prepared to furnish from four to five hundred sorts of hyacinths. Now, we prefer the single varieties, and the list of sorts is not as long as formerly. The propagation of hyacinths is by offsets, which form at the base of the bulbs. The largest bulbs are cut across the base several times or hollowed out, to increase the number of offsets which are formed. More of the single pink variety, Norma, is grown than any other. One grower's trade requires 80,000 of them annually, the product of about two acres.

The average grower must cultivate in all about four hundred and fifty varieties of tulips. Of these about four hundred are varieties of the ordinary garden species. Tulipa Gesneriana was introduced to western Europe from Turkey in 1554. Tulips are propagated by offsets, each root producing two, or sometimes three, salable bulbs, and perhaps one or two of smaller size, which require another season's growth before they are fit for market. They are also easily raised from seed, the seedlings coming at first self-colored; while they remain so they are known as breeders. These have been made very popular recently under the name of Darwin. After a few years of cultivation they break away from their original color. If a white tulip comes striped or marked with another color it is called a Byblœmen. Of this class the rose or red-tinted Byblœmens known as "roses" are perhaps the most desirable. A tulip having a yellow ground marked with another color is called bizarre.

In the early part of this century tulips having variegated flowers were most esteemed. To-day such self-colors as Gold Prince, the beautiful rose-carmine Proserpine, Vermilion Brilliant and the white, yellow and scarlet Pottebakkers are most esteemed. There are, of course, exceptions; the most conspicuous is the noble Keizerkroon, crimson with a wide edge of yellow. The tulip has become with us the most popular of the spring flowering bulbs. We use from a million and a half to two millions here in New England annually.

Daffodils are now receiving more attention from hybridizers than any other class of bulbs. Although the largest and finest bulbs come from Holland, they are extensively grown in England, Ireland, the Island of Guernsey and France. Japanese lilies are seldom grown in Holland; the Dutch dealers find it cheaper to import them from Japan.

The bulbs are lifted by hand, as spades or forks might injure them. They are carefully laid in baskets and conveyed by boat to the warehouses, where they are carefully dried and counted out into bags. When needed for shipment, buckwheat chaff is put in to prevent bruising. The value of bulbs exported annually from Holland aggregates three million dollars, the United States taking about $300,000 worth.

On the southerly side of the Lake of Haarlem are the nurseries of Boskoop. We see in these nurseries many plants which are not hardy enough to survive our winters, for many of which there is a large demand from England. The visitor to Boskoop, if going from Haarlem, will find it most convenient to make the journey by steamer in the great canal, lined on each side with interesting and picturesque scenery.

CHRYSANTHEMUM SHOWS.

[*Read before the St. Louis Florists' Club by F. J. Fillmore.*]

Shall we have another Chrysanthemum show is the question. I will answer it in the first place by asking, what are we here for? If merely for routine business there would not be much attraction. We assemble here, I think, as a kind of reunion once a month, but with always the main object in view, of holding a show, not for chrysanthemums alone, but for almost every variety of plant and flower that can be had at that season of the year to make a creditable display.

I am sure that there are very few grow-



The Shower Bouquet.

ers that could not furnish a few good plants, if not cut flowers, even the smallest grower among us. Nearly all grow geraniums, carnations, chrysanthemums, and a variety of blooming plants, for all of which there are desirable premiums offered, and we should exert ourselves and take pleasure in growing a few plants, not how many but how good. If you have never attempted to grow for exhibition you will be surprised the amount of pleasure you will derive. Of course it takes a great deal of hard work and study to attain success, but just make up your mind to do your best, not minding if you do meet with difficulties; and you will be amply repaid, if not in the almighty dollar at least in the amount of pleasure you will feel in looking at the result of your handiwork and the words of praise you hear from customers and friends.

Although a true gardener's love for his plants and flowers is the first consideration, still you will find it will greatly benefit you from a business standpoint when customers see your fine show plants. They will naturally want to have some like them, even if not quite so large and fine, and it is sometimes a hard task to refuse to sell the very plants and flowers that are intended for exhibition.

I am sure if you cast aside all jealous and selfish thoughts and grow for pleasure alone, you will attain success in one class or another, but do not be disheartened or disappointed if you do not take as many blue ribbons as you expected; remember, the other fellow will be there. If you do not succeed at first, try, try again.

In conclusion, Mr. President and brother gardeners, I would repeat, let us all unite and success will be ours, but disbanded we will meet with failure. By putting our shoulders to the wheel and leaving nothing undone to achieve success, I am sure we will have a most successful show, not only from an artistic standpoint, but also financially. I think those that exhibit can be reasonably sure of having their premiums paid in full.

I again repeat by all means let us have a show, only give us a chance and we will give our citizens and visitors such a show as will be heard of. Let us make the chrysanthemum show and floral exhibition of 1898 a grand success, and I only hope the executive committee, whoever they may be, will be able to secure space in the exposition building, for success depends a great deal on location, as I have always maintained.

SHOWER BOUQUET.

Our illustration portrays one of the most beautiful additions to the narrow variety of bouquets, and is the one used almost exclusively these days by the "smart set." There is no variety of flower that lends itself more gracefully than lily of the valley to this style of horticultural architecture, as a ground plan to work upon, and then finished here and there with sprays of orchids, buds of roses, violets, or for that matter any seasonable flower that will balance evenly with the whole, then the *tout ensemble* effect is all that can be desired and will satisfy the most exacting customers.

The bouquet seen in our illustration contains about two hundred valley, eighteen Cypripedium insigne and a fair proportion of fern and asparagus; cost to you about $12 including ribbon and "fixins" and to cost "the other feller" what you can get—price usually asked in New York $25 to $35 at this time of year.

The bouquet is usually built up in sprays and then bound together, a few smaller sprays being placed where needed; the main sprays as follows:

Two sprays 18 inches long.
Two sprays 12 inches long.
Two sprays 8 inches long.

Finished with asparagus or fern, Adiantum cuneatum or Adiantum Farleyense if preferred, and broad and narrow lace ribbons from which are attached small sprays of flowers that are used in the general make-up.

A NOVEL JARDINIERE.

While we are scouring the tropics for novelties, while we are absorbing catalogues to find something new and useful to attract our customers, there are many things pretty, useful and ornamental right at our very door and this was never more thoroughly impressed on my mind than when I saw a very pretty jardiniere at Galvin's in Boston, composed of the following native plants: Hardy ferns in variety, goodyearas, sarracenias, ground pine, Partridge berries, bird berries, and finished off here and there with little masses of "silver" moss, the whole making a unique and very pretty effect. B.

VIOLETS.

A Chicago grower finds that if Marie Louise is kept very cool and dry the flowers come paler in color and with a greater amount of fragrance. And the color so secured seem to make the flowers more salable in the Chicago market, while, of course, the increased fragrance considerably enhances their value.

Another grower says violets should be picked only in the middle of the day when the house is warm. They are then fragrant and if picked then will retain

their fragrance. They should then have a little wet tissue paper on the stems and each bunch be wrapped in soft waxed paper. This will best preserve the fragrance. Market as soon as possible.

PHILADELPHIA.

Many Flowers Used at Assembly Ball.

The first assembly ball, held in the Academy of Music, on Friday evening January 14th, was a most brilliant affair. The supper tables were formerly laid in the lower hallway, which is bounded on each side by broad staircases ascending to the foyer on the second floor, where the dancing takes place. This screen-formed supper room has always been one of the chief beauties of the assemblies. The ladies in full evening dress seated on the stairs with bouquets of handsome flowers banked on the balusters beside them, forming a beautiful setting to the animated scene below.

This year's managers, however, decided to turn the lower hallway into a parlor, transferring the supper room to the Academy proper. The stage curtain was lowered and the parquet floored over. The balconies were then hidden by alternate rows of green and white cheese cloth, stretching entirely around the house. In front of these draperies were used evergreen trees and a great number of incandescent lights, the idea being to turn the parquet into one large room, plants and flowers being used freely all around the sides of this room, the boxes being especially pretty.

The idea was an excellent one, the difficulty being that the space to be decorated above was so vast that it was almost impossible to prevent it from seeming bare despite the quantity of material used. The dancing took place in the foyer, which was beautifully decorated. There was decidedly more bouquets carried than last season, a very encouraging sign.

The Market.

The market has been in bad shape; flowers are too plentiful. The dull, extremely mild weather has told on the quality of the stock and worse still, several stormy days kept shoppers indoors. The Assembly brightened things up decidedly as far as choice stock was concerned, especially roses, but the next day being very wet, prices broke badly on second quality stock. Carnations have suffered considerably; the best now bring $2.50, while very good flowers can be bought for $1.50. Good roses bring excellent prices, about the same as last week, but medium and poor blooms bring prices which I hesitate to name.

State Board of Agriculture.

An institute meeting of the State Board of Agriculture was held in Horticultural Hall on Saturday, January 15. There were a number of interesting papers read both in the afternoon and evening sessions and the "question box" proved of great interest. The meeting was well attended, not perhaps by exactly the farmer class but the gentlemen farmers came and lots of florists and amateur gardeners, which will do just as much good or more, as a meeting of this kind attended by farmers only would not be nearly so interesting. The average farmer gets up too early and works too hard to think of questions when in a meeting. He would probably take forty winks while there, and think of the question he meant to ask on the way home.

Should More Beauties Be Grown?

There is a very interesting letter from this city in the *American Florist* of the 8th inst., signed "K." I am a great admirer of Mr. K. and his writings; in fact, there have been times when I have waited with painful suspense for his judgment on some plant or flower. The letter in question gives an account of the increase in the quantity of glass devoted to forcing American Beauty roses for this market, and goes on to say that the demand still keeps ahead of the supply. The natural inference is that the growers hereabouts should devote more glass to Beauties next season.

Now I am not at all sure that the facts justify such a conclusion. Here are the facts: The Beauty is a crop rose; every grower tries to get a good crop for Christmas; very many of our growers succeeded this season. Naturally, when this letter was written, on or about Tuesday, January 4, the best long-stemmed flowers were scarce. Immediately after the holidays, for about two weeks, this market is likely to be dull, and a quantity of any fancy flower is apt to bring prices down.

It is this desire to produce enough for every emergency which has caused the tremendous over production from which the New York cut flower market has suffered in the past few years. It will take close watch on the account books next summer to decide whether or not more glass can be profitably devoted to this popular rose.

Notes.

S. S. Pennock is receiving some exceptionally fine mignonette which brings $10 to $12.

Madame Chatenay rose continues to be greatly admired by the ladies. It seems like a good rose for the florist who retails his own flowers, from first appearance. (Will not some one who has grown it tell us about it?)

The Florist Bowling Team were not so successful in their second match as in their first. Our men led until the third game was begun when somehow the pins didn't fall our way. Mr. J. K. Starr has been elected manager and better things are expected. J. W. Y.

BALTIMORE.

Business Continues Dull.

Although an improvement over last week, business has not as yet come up to expectations. In fact, the unceremonious drop things took after New Years has caused a general distrust all around, both wholesale and retail, and one now hesitates to prophesy. Shall consequently confine myself to facts and the sayings of others.

Some of the retailers are complaining very much, others are reticent or resigned (it is hard to say which), while a very few reported "trade greatly improved." To the uninitiated, one would think we were a set of "croakers," but to the florist, who can appreciate our predicament, it is quite plainly depicted that something else is wrong, for it is an old failing of the craft never to discuss business unless it really is *dull*.

At the commission houses the sales are both light and unstable, while the consignments have in their turn increased in contrasting proportions. Flowers of all kinds are plentiful now, and prices have taken a tumble. The best roses only bringing $6 and $7 per hundred, Beauties $3 and $4 per dozen. Carnations are getting quite plentiful and are back to $1 and $1.50, while violets also are more than equal to the demand, at the rate of 50 cents per hundred.

Baltimore Florists' Exchange.

The stockholders of the Baltimore Florists' Exchange held their annual meeting at the Exchange rooms, No. 229 Park avenue, Monday the 10 inst at 6 p. m. Our able manager, Mr. Alex. Scott, submitted a very favorable financial report, which was accepted. A new board of directors for the coming year was then elected as follows: I. H. Moss, E. A. Seidewitz, Wm. Fraser, A. Repp, J. M. Rider, Ed. Kress and C. F. Feast. The board then elected the following officers: I. H. Moss, president; Wm. Fraser, vice-president; Edwin A. Seidewitz, secretary; Chas. F. Feast, treasurer.

No Show Next Fall.

The regular meeting of the Gardeners' Club at the Royal Arcanum Building, Monday, January 10, was quite well attended owing perhaps to the fact that a question of vital importance to the club was to be discussed and decided. The secretary, Mr. N. F. Flitton, read for a second time the executive committee's report on the question of holding a show next fall, and after a somewhat lively discussion it was placed before the house and voted down. The general sentiment being that at the present another attempt would only add another financial failure to our list.

Question Box.

The question box as usual contained a miscellaneous collection of subjects which were of more or less interest. One question was asked, "What caused violets to have green centers?" The answer "over feeding and not enough light" was given. Also, "What are the best new carnations?" Mr. Fischer thought Flora Hill, Victor, Lily Dean, Mrs. Chas. Duhme and Jubilee. "What effect has nitrate of soda upon carnations?" Mr. Seidewitz answered that it gave a dark green lustre to the foliage.

Upon motion the first meeting in February has been appointed carnation night, all members being invited to contribute an exhibit, a certificate of merit to be awarded to the best vase of pink, one variety.

Mr. Charles M. Wagner gave an impromptu exhibit of a well-grown and beautiful white cyclamen, which caused

general admiration. The crown contained four dozen flowers in all, thirty of which were wide open, the balance in large buds.

Notes.

Messrs. Halliday Bros. and Samuel Feast & Sons have both issued very pretty calendars this year as an advertising medium.

Messrs. Fischer & Ekas have a new seedling carnation, pure white, with the habit of Storm King and Lizzie McGowan, which bids fair to be a seller.

A Lexington street florist has money, not "to burn," but for exhibition. He places one dollar bills in his windows as a gentle reminder that violets are only $1 per hundred. There is an example where you "advertise and get your money back." Another good method is to try the FLORISTS' REVIEW. C. F. F.

BUFFALO.

Dullness Prevails.

If it were not for that mournful business metioned last week, and which I hope was distributed among the craft generally, it could be called very dull indeed. For the time of year it is too dull to be healthy. A little drifting business falls on us all the time but there is a sad lack of events which demand any quantity of flowers. Flowers are in abundance to fill all orders. Carnations of good quality meet with the quickest sales and violets are getting more plentiful.

A Trip to Corfu.

Last week's dull routine was enlivened by a small delegation consisting of the retired C. F. Christenson, W. J. Palmer, Sr., Daniel B. Long and W. S. taking the noon train for Corfu, Genesee Co. Christenson is retired from active business but very much with us in spirit and thinks he knows as much as the rest of us, but such is the enormous strides and marvelous velocity with which our business travels, aquiring knowledge and experience in its flight, that one who is even seven and a half months out of the business is lost. Too late! he can never catch on again. He will see the express train glide around a curve and be lost to sight and he had better then and there make up his mind to sit on the pleasant bank and live on a "moderate competency."

Two of the party were invalids of a kind. One had lost a little piece of the natural covering of his shin, the other the same material from his big toe and neither of these injured members have shown a marked inclination to heal, so the two quiet members solaced themselves with quiet converse about the respective merits of the newer carnations, while the other two went on with their wild frolic. A view of a bench of the local new carnation, "Genesee" was really the object of the visit and all were very favorably impressed with it. As Flora Hill was growing in the same house, the same soil, same temperature and same attention, it was a good opportunity to pass an opinion which I will leave others to express. After a very enjoyable lunch at the Hotel de Thayer, we journeyed on to see Mr. T. Webb and his new scarlet carnation, at present without a name, but which produces large quantities of good flowers. Time was short and the boys had to return to town.

A Delegation from Rochester.

On Friday a large delegation from Rochester reached town. There was a pair of Salters, a pair of Kellers, a Schlegel and three other gentlemen whose names I did not accurately get. When such an imposing and important party as that visits our city why don't they notify us? Proper courtesy could then be extended. It appears, however, that the boys at home attended to their wants, and late in the day they arrived in the Genesee village and found the writer watering freshly planted lettuce. We were very glad to see them, but regret we saw so little of them.

Visitors.

I forgot last week to say that we had, a few days ago, a short visit from Mr. George Stollery, of Chicago. It was only a lay-over for an hour between trains, but the visit was long enough to convince us that Mr. S. is an enthusiast on carnations, and we will say as the "Heilandman" did when he saw the sign post and mistook it's purpose: "God bless the Duke of Argyle."

Visitors in town of late have included Mr. Henry Wise of East Aurora, Mr. Fred Lewis of Lockport, and within a few hours the aristocratic-looking Mr. A. Ringier of Chicago. Mr. R. has natural ability enough to be Senator from Ohio, but prefers a more honest livelihood, selling bulbs, seeds, Indian produce and other necessities for a reputable firm.

We expect a revival of business in the near future. W. S.

TORONTO.

Election of Officers.

At the annual meeting of the Horticultural Society, held last Wednesday, at which about seventy-five members were present, the following officers were elected: President, J. McP. Ross; 1st vice-president, H. Lucas; 2nd vice-president, Mr. Tyrrell; directors, Messrs. J. Chambers, Vair, Utley, G. Manton, Watkins, Collins, Ewing, Simmers and Mills; secretary and treasurer, Chas. Chambers. These annual meetings have very little of the horticultural about them except the members, but the above appears to be a strong team and should be able to give a good account of themselves on the second Wednesday in 1898.

Business Conditions.

From the remarks of a correspondent, signing himself "Toronto," in your Chicago trade contemporary, it might be gathered that roses were losing their popularity in this city, but this I don't think is by any means the case. Carnations are, no doubt, very popular with the masses and those who have little money to spend on flowers, as also with the higher classes. There is a good demand for them, and they are better than the cheap, flabby, weak-stemmed roses, of which many are to be seen about. But it does not follow that these same people would not buy good roses if they could afford it. In the spring, after Easter, when there is a glut and they are sold in large quantities on the market, people are falling over each other to get them. Roses are still popular, and depend upon it they always will be; they have their ups and downs like everything else, and under the present means of cultivation it is doubtful if the average prices covering the year could be lowered to any extent and leave any profit.

Collections are reported to be much better this year. A College street florist told me yesterday that he has had very little trouble, where in former years he would have had to wait six months for his money. This, I suppose, may be taken as a sure sign of better times; it takes a long time though for them to filter down through all the various strata of society, and poor public gardeners never feel them at all in their salaries; only in an increase of work are they felt by him. Pity the poor public gardener!

Trade has been a little slacker this week, and prices have come down a notch or two. Bulbous stock is beginning to arrive in variety. A few daffodils are to be seen, hyacinths in pots, tulips, etc.

E.

CLEVELAND.

Resume of the Market.

Business has been very good of late all around, no flowers of fair quality going to waste. In fact there has been rather a scarcity in good grades right along, more particularly in carnations, which have not been as good so far this season as in other years. Owing possibly to gloomy, cloudy weather or to some more occult cause, the plants as a rule show a good deal more rust and bacteria than usual and the blooms are considerably smaller and weaker in stem than they should be.

Roses have been in good demand but as a rule a little off in quality. Bulbous stuff, in the form of tulips in the varieties Proserpine and Yellow Prince mostly, with a few Dutch hyacinths and single Von Sion narcissus, is beginning to come in. The tulips are pretty good in quality although still a trifle short in stem. They sell at from 75 cents to $1 a dozen retail. Roses bring from about $4 to $7 a hundred, wholesale, according to variety and grade. Carnations run in price from $1 to $3, fair ordinary stock bringing about $1.50 per hundred. The $3 grade is not much seen and the dollar stuff ought not to be seen at all.

A Visit to Mr. Eadie's Establishment.

Having important business lately in connection with certain clay pigeons on the premises of James Eadie, the opportunity to inspect the rose houses was taken advantage of. The houses are all even-span structures and most of them are solid beds underdrained and heated, having two beds in each house with a walk through the center and at each side of the

house, there being no side benches at all. They are planted mostly with Bride and Bridesmaid, with a house each of Meteor and Perle, these two latter houses being the only ones upon the ordinary raised benches.

The stock looked fine throughout, although the houses of Bride and Bridesmaid surpassed the others in appearance, having an abundance of clean, healthy foliage and carrying a good lot of bud and bloom that, notwithstanding the bad weather and the fact that the crop was almost off, were very good in stem and size. Contrary to a theory that is still very popular in many quarters, that roses should be replaced annually with young stock the old plants here were preferred. They threw more flowers, of better size, color and stem than the blooms from the younger houses, and in addition got into productive condition much earlier in the season than did young stock. It should, however, be understood that the old stock was transplanted into fresh soil during the summer and not run through a series of years in the same old earth, with only top dressing and manure watering to supply lacking elements in the soil.

The carnation houses were looking well, although Scott here, as usual elsewhere, is considered the best variety for general good qualities. Your correspondent was shown a batch of valley, part of which was in condition to cut before New Years, which would average ninety per cent. of good salable stock. This is rather unusual for pips of the past fall's importation, and speaks well for the quality and handling of them.

NEMO.

ST. LOUIS.

Club Meeting.

The Florists' Club held its regular meeting Thursday afternoon at 3 p. m. with President Halstedt in the chair and thirty members present. This is the largest gathering of members that the club has had for a long time. After reading the minutes of last meeting, the exhibition committee made its report stating that all special prizes would be paid in full and the club prize would be paid at the rate of seventy-five per cent. As a few special prizes are yet uncollected the committee could not make its final report until next meeting.

Balloting for new members was next in order. The first candidate was Mr. Andrew Meyer, Jr., who was elected by an unanimous vote. The next candidate was Mr. Fred. Foster, manager of the Krebs Floral Co. Mr. Foster's application was rejected by a vote of nineteen to seven. New applications for membership were made by Wm. E. Jordan, Fred. Meinhart and Fred. Billings. They were read for the first time. Mr. W. C. Young and R. F. Tesson were appointed as a committee to change the constitution and by-laws of the club.

A communication was then read from Jos. R. Freeman, president of the Commercial Florists' Club of Washington, D. C., asking the club to take action with them in condemning the free distribution of cut flowers and seeds by the government. It was adopted by an unanimous vote and the chair appointed Messrs. Tesson, Will Young and E. Schray to draw up resolutions condemning the practice.

The committee on smoker was then appointed as follows: J. J. Beneke, Frank J. Fillmore and Will C. Young. The smoker and entertainment will be gotten up by subscription among the members of the club. Any member wishing to subscribe can do so by addressing the chairman, or the secretary of the club.

Show Questions.

The next order of business was the questions. Messrs. Guy, Fillmore, Trillow, Beneke and Young answered their questions to the entire satisfaction of the club. Messrs. Ammann and Steidle were not present and Messrs. Meyer and Tesson were not ready, so the chair requested these four members to be ready with their questions for next meeting.

Mr. Young's question as to "when and how shall we begin preparations for our next chrysanthemum show" brought out quite a discussion, especially his remarks on appointing a committee to run the show from beginning to end. Mr. Young's idea was for the club to elect a manager, he to act as chairman of the executive committee, and to select six members to act with him as the executive committee, each one of these six to select three members and act as a committee, he to act as chairman of the six committees, which will have their own work to do after meeting with their own committees each week, the six chairmen to meet with the chairman and manager and report what they are doing or what they have done. The club decided this a good plan and started in at once to elect a manager-chairman. Mr. W. C. Young and J. J. Beneke were nominated, and after counting the ballots Mr. Beneke was elected manager-chairman of the next chrysanthemum show.

The club has decided to hold its annual carnation meeting on Thursday, March 10 at 3 p. m.

Exhibition.

Richard Witterstaetter, of Sedamsville, Ohio, exhibited through Mr. C. A. Kuehn, a vase of his new white carnation, Evelina, which was given a certificate of merit at our late show. Those shown at the meeting were very fine, some thought even surpassing those exhibited at the show. The club thanked Mr. W. for the display.

An Invitation to Belleville.

Just before the meeting adjourned the Belleville brethren, better known as the "Big Five Belleville Florist Club," through their secretary, Mr. Trillow, invited all the members of the club to Belleville next Tuesday to spend the day with them. The invitation was accepted and about twenty members will go.

Trade Conditions.

Business the past week was still very quiet. Large decorations are unknown and the floral arrangements at most of the socials are very small. Stock in some lines is rather scarce at present, particularly first quality roses. Good Beauties which bring $3 and $4 per dozen are scarce. Brides, Meteors and Bridesmaids are worth from $4 to $6 a hundred, second quality $2 and $3. Perles and Woottons bring $3 and $4. The latter part of the week there was an increased demand for white roses owing to some extra funeral orders. Carnations have been very plentiful, some being very fine, and run from $2 to $3 for the best, some extra fancy bringing $4. Portia and Jubilee are the only good red seen in any quantity.

Bulbous stuff is moving very slowly. Romans are plentiful at $2 and there are plenty of paper whites which go for about the same as Romans. The demand for valley is slow and it is not extra good. Harrisii and callas sell well and are not over plentiful at $12.50 per 100. Violets have also been plentiful but seem to hold their own. Californias go at $1.50, common single 15 and 25 cents. Smilax appears to be selling a little better than it did, owing to the scarcity of ferns for a few days.

Various Items.

Frank Ellis, manager of the Mound City Cut Flower Co., is very sick with pneumonia, but from last report is improving and expects to be out again by the latter part of the week.

Burt Van Simon, formerly with Crossman Bros., seedsmen, of Rochester, N. Y., is now with the Plant Seed Co., of this city.

Wm. Blanking is in the city looking after the interests of Crossman Bros., seedsmen, Rochester, N. Y.

Frank Fillmore and Emil Schray paid a visit to Max. Herzog at Gratiot Station and report that Max is in very good shape to grow good stock and that his plants for spring trade are looking at their best.

Wm. Lingenbrink, of 22 Olive street, who is going to the gold fields the latter part of this month, sold out his establishment to Mrs. Marten, on Monday, January 17.

Bowling Notes.

The Bowling Club rolled its regular three games Monday night at Cocked Hat and the usual ten were in attendance. C. Beyer rolled high in the three games, with 156; high single score, 52. J. W. Kunz was second with 141; high single score, 48; Beneke, third, with 131; high single score, 41. Look out for next Monday night and don't forget to be on hand.

J. J. B.

NEW BEDFORD.

Annual Meeting of Gardeners and Florist Club.

The Gardeners' and Florist Club of New Bedford held its annual meeting last Monday evening. The annual report was interesting as it showed an increase financially over the past season. It showed the full progress for the year and outlined work for the future. The report of Treasurer Waite was very encouraging,

showing a balance in the treasury of three times the amount of last year.

Officers for the present year were elected as follows: President, Wm. Keith; vice-president, Robert Mitchell; secretary, Peter Murray; treasurer, Chas. Waite; assistant secretary, T. H. Dahl; executive committee, James Russel, James Garthley, A. J. Fish.

Remarks were made by the new president, Wm. Keith, in which he gave some excellent advice regarding the next show. The executive board held a short meeting in reference to same subject.

Business is dull and prospects are very poor, as the city is in the shadow of a long and hard labor strike. C.

NEW YORK.

In the Market.

Last week was a record breaker—for bad business—the worst in the recollection of the "oldest inhabitant" of the street, for the time of year. Wednesday was "Black Friday" and Saturday, that started in with a drizzling rain which continued the whole day, was even "blacker." The week ending January 15 will linger long in the memory of every one as a record breaker for "innocuous desuetude." Violets suffered worse, and towards the evening of Saturday were selling for 25 cents per 100. Brides suffered the next in the rose line and the very finest stock was sacrificed at phenomenally low prices. In fact, all flowers touched rock bottom. Luckily, however, stock was not what you might call plentiful or the result to the grower and wholesaler might alike have been disastrous. Won't you please send us some nice cold weather from the west and we will try to reciprocate when the summer comes. If this weather continues I know some of the wholesalers will go into the umbrella and straw hat business; yes, and rubbers, too. Some are selling the last named now, but 'pon my honor, I think they would sell anything these days. Don't think I am a chronic dyspeptic or a pessimist of the worst kind, and if you don't believe me just try and run the gauntlet of the street yourself. To-day, however, as I write this, it seems as if the turning in the long lane of depression and bad weather had really taken a turn for the better. The air is more bouyant and the hopes of the dealer are inclined to respond, with the aid retailers and the general flower buyer.

Mr. J. I. Raynor, who handles a specially fine lot of Beauties, Maids, Brides, Meteors, and violets, also special grades of carnations and some very fine cypripedium insigne, reports a steady increase in the shipping trade in spite of the elements and general condition of trade.

Various Notes.

Paul de Longpre, who has been aptly termed the Rosa Bonheur of flower painters, is holding his annual exhibition of water color drawings in the city, and all lovers of art in this particular sphere should attend, for while nothing is scarcely harder to portray, yet visitors will find some rare gems both from an artistic and botanical view, far different from the usual stereotyped and so-called plant portraits.

For my part I would like to see some of the Florist Clubs and Horticultural Societies attend in a body, or do they think they would be called aesthetics.

Our Wholesalers' Special Report.

The supply of all varieties of stock has been sufficient to meet the demand during the past week. Trade was spiritless and prices ruled lower than the previous week. The lower grades of roses were most affected; those of higher quality with the exception of Brides cleaned up fairly well. Quality is good in spite of the dark days. Shipments are not heavy. Meteors are selling better owing to a shortening up. Beauties are showing up, somewhat improved in shape and color, but the price is very unsteady.

Carnations fell away in price during the first half of the week but recovered some of the loss at the finish. Violets are in over supply, quality superb and price almost anything the buyer will pay.

Valley is evidently not now in great favor as indicated by the selling price. Tulips are coming in more freely, and all colors are cleared out with the exception of red. Lilies are steady in price but move slowly. Good adiantum finds a ready sale. The prospects for better trade seem brighter.

Seed and Bulb Trade.

There will be a meeting of the Seed Trade Association, January 21, at 10 a. m., at the Park Avenue Hotel and all members are invited to be present as questions of vital importance will come before the association.

William Elliott & Sons are renovating their store, putting up a new set of hardwood seed drawers and otherwise making improvements. When I tried to get to the office recently it was like passing through Chilcoot Pass. The reception I received was far different, however, than one might expect, and instead of a diet of snowballs and fricasseed icicles, Mr. Elliott extended the right hand of fellowship with one hand and one of his choicest perfectos with the other.

After doing business for sixty years in John street, J. M. Thorburn & Co. will remove to Cortlandt street sometime during the coming July or August, their present building having been condemned. Mr. F. W. Bruggerhof, who has been associated with the firm for forty-nine years, feels very reluctant to move from the "old homestead" and the ties that have bound it. The name of Thorburn has been a landmark for nearly a century, for it was in the year 1802 that Grant Thorburn established and laid the foundation of the present firm of which Mr. Bruggerhof is the present active partner.

The Retailers.

The business in the retail trade since the holidays is still in a spasmodic, sporadic, and chaotic condition, though today (Monday), with a nice sharp frost and a bright sky, the streets are filled with hustling crowds and lines of carriages, so that the transient trade, an all important factor, is helping business considerably.

Social events, from the sublime to the ridiculous, are in full swing, with an occasional funeral order to clean up (that is, the poorer grades of flowers), so that things in general are not quite so bad as they might be, which is saying heaps. The Old Guard ball takes place soon, as does also the charity ball, and, not the least, the French ball, and so, with these and a few other events, the silver lining is almost an assured reality.

Various Notes.

Mr. Thomas Young, Jr., is without a bookkeeper at present. His man "Friday", John Sharkey, is at home at present keeping company with our natural enemy "La Grippe."

Mr. F. W. Creighton, who represents W. A. Manda, "on the road," has just returned from the middle west and reports the outlook for the future as good, and general tone of business one of confidence.

Mr. A. Herrmann reports a very heavy shipping trade during Christmas and New Years, also that good cape flowers are exceptionally scarce. I had an interesting trip through his factory and saw the several processes of manufacturing of "still life" in horticulture.

MADISON, N. J.

There was a full attendance of the members of Morris County Gardeners' and Florists' Club at its regular meeting on Wednesday night, the election of officers for the ensuing year being in order and resulting as follows: President, Wm. Duckham; vice-president, John Jones; secretary, Charles H. Atkins; treasurer, Wm. Charlton.

The essayist of the evening was Mr. John E. Lager, of Summit, his subject "Orchid Collecting" than which no one is better qualified to speak upon, and treat it so fully in all its varied aspects. On previous occasions we have heard Mr. Lager deliver carefully prepared lectures committed to paper but on this occasion he relied solely upon mental notes indelibly imprinted on the memory. With his traveling maps spread upon the wall he took his audience on an imaginary journey up the Rio Magdalena, which is navigable by river steamers, 600 miles to Honga, an important center as receiving the imports for all the vast interior of Colombia and exporting the products likewise of which coffee and cocoa are an important part. So far the journey is easy and involves from ten to fifteen days according to the state of the river. Leaving Honga, however, the collector's troubles begins as there confronts him a journey of 300 miles or more on mule back before even the region where Cattleya Trianæ grows is reached. In fact at this present time with the wide spreading tracts annually cleared and devoted to coffee and cocoa, the area of this cattleya distribution is fast diminishing and the nearest point at which it can now be profitably collected is 1,200 miles from the coast.

On the face of the map he outlined his journeyings down the Magdalena valley

across the central chain of the Cordilleras, up the Cauca valley, recrossing the mountains back to the starting place; a route that he spent two and one-half years in traversing. He demonstrated the localized distribution of the different and best known species each with one or two minor exceptions confined to its own area and separated by hundreds of miles from any other cattleya, so that the collecting of any species demanded a special journey for that alone and as in the case of Cattleya Schroderæ, the expenses of the journey were the ruling factor in fixing the selling price. It is one of the most plentiful cattleyas to-day yet one of the most expensive.

While explaining the immensity of the country he wished to dispel the idea that it was all cattleya ground. Just as soon as you get below the foothills of the Cordillera you searched in vain for the vestige of orchid life. At elevations of from 2,000 to 4,000 feet the cattleyas were mostly found but the odontoglossums had a much wider range. O. vexillarium being found up to as high as 6,000 feet, while in crossing the Cordillera he had found O. ramosissimum at an elevation of 12,000 feet, where far above the zone of tree growth it had adapted itself to conditions and grew freely on low bushes less than a yard in height, some plants even on the ground itself and not merely subsisting but thriving healthily with flower spikes as long as a walking stick.

At the close of his remarks the lecturer was asked numerous questions on the conditions of life, etc., in those latitudes to which he gave interesting replies, while all present united in a hearty expression of appreciation of the intellectual treat afforded. H.

WASHINGTON.

Resolutions.

The last meeting of the Commercial Florists' Association was, as usual, well attended, despite the stormy night. After the reading of the minutes by the secretary, which were amended and adopted, the rules were suspended, and, on motion, the application of Mr. Adolphus Gude was taken up, and he was uanimously elected to membership.

The committee appointed to draft a bill to congress made its report, and after a long and full discussion the following was adopted and ordered to be introduced in congress at once:

"That hereafter it shall be unlawful for any person in charge of any establishment in the District of Columbia supported in whole or in part by the United States, or for any of his subordinates, to appropriate to his own use, loan, distribute gratuitously, or sell, or offer for sale, in the District, any products of greenhouses or grounds under his charge.

"Provided that nothing in this act shall be construed as prohibiting the president of the United States from using at his pleasure, the products of the White House conservatories and grounds.

"And provided further, that nothing in this act shall prevent the secretary of agriculture from distributing any new or rare plants not in general cultivation.

"Violators of this act or any of its provisions shall be subject to dismissal from the government service."

A committee was appointed to draft a circular letter to be sent to all florists' clubs in the country. The same committee was also instructed to wait on the Board of Trade with the view of securing its co-operation.

Messrs. Field's Orchids.

During the past three or four years Messrs. Field Bros. have been collecting orchids until now a fine collection, taking up nearly half of their large establishment, is the result. Five houses two hundred feet long are almost entirely devoted to orchids, and all in perfect health. In one house there were two benches devoted to C. Trianæ with hundreds of flowers; C. Mendelii in fine shape and promising well for a good crop; then came a fine batch of C. Skinnerii, followed by a grand lot of C. Gaskelliana and C. labiata in superb health; then followed a part of a bench with about fifty plants of C. speciosissima with flowers eight to ten inches across. Oncidium splendidum, with spikes three feet high; next a large quantity of Vanda cœrulea in full bloom with tall graceful spikes well flowered; Cymbidium eburneum coming in flower; C. Mossiæ, showing well for a fine crop; following came a bench each of Pilumna fragrans and Cœlogyne cristata in flower.

Among dendrobiums there were about one thousand formosum, also quantity of Phalænopsis Schilleriana, Wardianum, nobile, Findleyanum and Jamesianum. One house was devoted to cypripediums which were in full flower. Messrs. Field Bros. state with a few varieties, the demand is not equal to the supply.

Their roses were in good health and from the quality and quantity of bloom show careful growing and judicious feeding. Their "bete noir" is carnations, hard luck attending them. In one house McGowans all died outright with stem rot, though other varieties looked fairly well.

A Quiet Week.

The week has been very quiet with the trade with the exception of an occasional ball. One of these was given by the Leiters at which there were one or two little decorative groups that were very effective. The center of one group being a fine Kentia Forsteriana sixteen feet tall and as much in spread of foliage; another, a mound of Farleyense, cattleyas and dendrobiums in variety and Cœlogyne cristata.

The price list remains the same as the past week, quantities of good valley on hand without takers.

Reply to Criticism.

In reply to the criticisms in regard to the statement I made in my last letter about the free distribution of plants and the law in reference to it, it is only a question of interpretation. I concede there is a law for the agricultural department to distribute new and rare plants; that is what that department was established for. But I do not interpret it to mean they shall send latanias, kentias, araucarias, and azaleas to private homes, as the agent who purchased the plants for the department stated that they were intended for. Also the official seal stated they were to be paid for out of the fund for the "free distribution of valuable seeds." These plants were purchased for the sole and express purpose of sending to members of congress when they arrived here, and to a favored few office holders. If the Washington correspondent of the *Exchange* can prove a law exists to so dispose of good plants I will retract. Until then I have nothing to take back. W. H. K.

BOSTON.

Weekly Exhibition at Horticultural Hall.

John Mutch, gardener to J. E. Rothwell, Esq., Longwood, showed some exceedingly fine orchids, among which may be mentioned Odontoglossum Wilckeanum, with twenty-one flowers on a spike, also a very fine Odontoglossum crispum, finely marked; Cypripedium Leeanum Maesereelianum, a very fine plant with nineteen growths and ten flowers; Cyp. Bellona, a very choice variety; also Cyp. Ceres, very fine; for which collection he was awarded a gratuity.

Mr. Clinkaberry, gardener to C. G. Roebling, Trenton, N. J., exhibited a monstrous flowered Cattleya Clinkaberryana, for which he was awarded a silver medal. The flower measured eight and one-half inches across, petals four inches wide and two and three-quarter inches across the lip, a splendid color, and of good substance for so large a flower.

Carl Blomberg, gardener for Oakes Ames, North Easton, showed a collection of cattleyas, among which was the beautiful variety, Cattleya Trianæ var. "Lilian Chatman," for which he was deservedly awarded with the society's silver medal. Lager & Hurrell, Summit, N. J., also showed two very fine spikes of Cattleya Trianæ, large flowers and very fine color. James Comley, superintendent for the Hayes estate, Lexington, also showed three vases of a seedling acacia, of which he says grandis is the parent; it is certainly a very fine variety and would be a useful florists' flower; also some Cattleya Trianæ spikes, for which he was awarded a gratuity.

Seed Trade.

The seed trade is beginning to move lively and good business is reported. The principal seed houses say their catalogues will be ready in short order, but the first to issue is that of R. & J. Farquhar & Co.

Mr. John K. L. M. Farquhar, of Farquhar Bros., seedmen, delivered a very able lecture before the Massachusetts Horticultural Society, last Saturday, on Holland, its floriculture, and public parks, illustrated with nearly 150 stereopticon views. The meeting was very largely attended.

The Market.

Trade is quiet. There is decidedly more supply than demand, although the quality is very much better than a week or two back. The retailers are reporting a little better business, as weddings and parties are now beginning to appear. The following are about ruling prices: Beauties $1 to $4 per doz.; Brides, Bridesmaids and Meteors $3 to $12 per 100; Perles and other varieties $3 to $8 per 100; carnations $1 to $2 per 100; valley $1 to $4 per 100; Roman hyacinths, per 100; $1 to $2; paper white narcissus, per 100, $1 to $2; Lil. Harrisii, per 100, $8 to $12. Violets are coming in more freely, but in some instances are very poor quality. The price ranges from 50c to 75c per 100.

C. H. J.

OBITUARY.

Henry S. Rupp.

Henry S. Rupp, of the firm of Henry S. Rupp & Sons, Shiremanstown, Pa., died Jan. 14, of heart failure, in his 72d year. He started in life as a farmer, but in 1862 embarked in business as a nurseryman and florist and was remarkably successful. Mr. Rupp was an honored member of the community in which he lived, taking an active part in everything that tended to the public good, and was a sincere Christian. He leaves a widow, four sons and two daughters, his being the first death in the family, which is quite remarkable. The ages of the children range from thirty to forty years.

During the past two years the firm of Henry S. Rupp & Sons has been closing out the nursery department of their business, the son, John F., having taken the floral and seed department and removed the greenhouses to the village of Shiremanstown to secure more perfect mailing and shipping facilities. This well-known firm has had a wide-spread reputation for improving the Chinese primrose and growing large quantities of seed and plants of the same. They also were amongst the first to engage in the mailing of flowering plants.

ROCHESTER.

Favorable Trade Conditions.

To record the continuance of a flourishing trade affords great pleasure to the writer. Several years have passed since we last could conscientiously report such favorable trade conditions. In the past our florists would feel hopeful whenever the demand was brisk for a few successive days, but their hopes were only of short duration, the spurt would pass over quickly and a relapse into the old inanimate trend cooled off their premature exaltation. Now they have learned to be reticent in the expression of their hopes but do not deny the constant and marked growth in the bulk of business which they have experienced in the last six weeks or more. If the improvement should not turn out to be pemanent, we at least had a very favorable December and the present month has distinguished itself so far by crowding closely together social events in variety, which have proved a source of profit to our decorators; indications, in my opinion, point to continued and increasing prosperity, yet I may err in this assumption and the rosy view I have here depicted may be shattered to smithereens in another week by a sudden change for the worse.

A Visit to Buffalo.

After having two or three days of hard frost we again are favored with unusual mild weather, but without the bright sun which we had in the first part of the month. Rain and soft snow falls frequently, but the unpleasantness of the weather was not heeded by a party of Rochester florists who, last Friday, gave up their usual position behind the counters for a day to pay a visit to the then partly inundated streets of our great neighboring city of Buffalo. The party would have been wise if they had provided themselves with rubber boots, for in some instances it was necessary to wade through watery mud in order to reach certain places of safety and comfort, where the inner man could find the necessary encouragement to venture further on and continue on the march through the soft mixture, but nobody hesitated to walk on, and the proverbial hospitality of the Buffalonians and their amiable and obliging manners smothered every thought of complaint in the bud.

The party was royally entertained, and after viewing several greenhouses and stores they were escorted to W. J. Palmer's place, in Lancaster, where Daybreaks are grown to such perfection. They were unanimously pronounced as the finest ever seen, and it is not surprising that Mr. P. can, as he stated, dispose of a thousand of these grand flowers to every dozen of Scotts, but not everybody can raise such Daybreaks; they are simply perfect. A low house, shaded heavily with canvas, is used here for forcing out the fine tulips for which this place is so favorably known in this vicinity. A good steady heat is kept up here, and Mr. P. manages to develop a long stem even on the early lots under these conditions.

Here the Buffalo delegation bid good bye to the party, who journeyed on to Corfu, where Wm. Scott was caught planting lettuce in a house in which the violets would not respond to generous treatment; and he got mad at them, so they had to make room for the lettuce. Two other houses planted to these blue beauties are in fine shape and it remains a mystery why the other house should act differently. All the carnations show remarkable vigor in their new growth, promising a great crop before long. Mr. Scott thinks a world of the new white, Genesee and calls it a bread and butter carnation. Certainly it is here in many respects superior to the other whites. Dazzle, the new scarlet, was shown to the visitors with the same justified pride, but Dick Salter ventured the remark that this variety might prove a razzle dazzle to many of our growers although under the hands of a W. S. it appears not only to bloom freely, but its growth is also vigorous enough to satisfy all. Time had past quickly, while viewing the houses, and it was getting late. A contemplated visit to Mr. Webb's houses had to be postponed for a future day much to the regret of our party. They had to catch a certain train, else they would have been obliged to remain over night, and their presence in the stores on Saturday morning was a dire necessity, so they parted reluctantly from our highly esteemed jovial friend and his hospitable farm as he calls it.

K.

Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

FOR PRICES AND PARTICULARS

Address **Luther Armstrong,**
3720 Olive Street, ST. LOUIS, MO.

SEEDS FOR FLORISTS.....

	Trade pkt.	oz.
Alyssum Little Gem	$0.15	$0.50
Begonia Vernon	.25	
Candytuft Empress	.10	.20
Centaurea Gynnocarpa	.15	.50
Cobœa Scandens	.15	.35
Dracæna Indivisa	.15	.30
Nasturtium Dwarf mixed, lb.	.60	.10
Petunia, fine mixed	.15	.50
Petunia, large flowering mixed	$1.00	
Phlox Nana Compacta mixed	.25	$1.50
Salvia Splendens	.25	1.50
Thunbergia mixed	.10	.30
Verbena Mammoth mixed	.25	1.00

SPRING BULBS.	per 100.	per 1000.
Tuberose Dwarf Pearl, first size	$1.00	$7.00
Tuberose Dwarf Pearl, second size	.75	5.00
Begonias, Tuberous, single, separate colors	3.50	30.00
Begonias, Tuberous, double, separate colors	12.00	
Gloxinia Erecta, separate colors	6.00	
Gloxinia Erecta, mixed	5.00	

WM. ELLIOTT & SONS...New York.

BUY YOUR COCOS SEED FRESH.

Our main shipment has just arrived. Cocos Weddeliana, $7.00 per 1000 seeds. Write us for special quotations on large quantities.

We can now offer a limited quantity of **ASPARAGUS SPRENGERI DORMANT FIELD GROWN ROOTS**

for spring delivery. 1 year, $5 per 100; 2 year, $10 per 100; 3 year, $15 per 100; 4 year, $25 per 100.

ASPARAGUS SPRENGERI SEED; new crop to arrive, per 1000	$10.00
ASPARAGUS PLUMOSUS NANUS SEED; new crop on hand. Per 1000	10.00
CANNA AUSTRIA; strong, field-grown pieces. Per 100	3.50
CANNA ITALIA; strong field-grown pieces. Per 100	7.50
All other leading varieties of Cannas at equally low prices.	
SPIRAEA ASTILBOIDES FLORIBUNDA; the best variety for pot plants. $5 per 100, per 1000	45.00
BERLIN LILY OF THE VALLEY; selected pips. $10 per 1000. Per case of 2500	23.50
GLADIOLUS THE BRIDE. 60 cents per 100, per 1000	5.00
PEARL TUBEROSES; selected long bulbs, 4 to 6 inches in circumference. Per 1000	7.00

If you want only the very best strains of Florists' Flower Seeds, such as Verbenas, Asters, Sweet Peas, etc., send to us.

CLUCAS & BODDINGTON CO.,

TELEPHONE CALL 403 18TH ST. 501 & 503 WEST 13TH ST., NEW YORK CITY.

AN ERROR crept into the advertisement of W. G. Kraber on page 324 in last issue. The price on the carnation cuttings should have been $1 per 100, instead of $7. The quotations are correctly given in the adv. this week.

WANT ADVERTISEMENTS.

WANTED—At once, a good man for Palms, Ferns and Orchids. Send references.
H. F. HALLE, 548 W. Madison St., Chicago.

WANTED—A grower that is capable of growing general bedding stock; also roses, carnations, violets and mums. 10,000 feet of glass. Only competent party need apply. L. E. Hitz, Madison, Ind.

WANTED—A successful cucumber grower, under glass and guarantee a good crop. I will pay eighteen dollars per week. Address, Ira Parker, Littleton, N. H.

WANTED—To correspond with a good all round man for small place. Good home and steady place for man after March 1st. My man going to Klondike for gold. Ohio Boy, care Florists' Review.

SITUATION WANTED—By married man, 28 years' experience in England and America. Private or commercial. Good references. Address
JOHN DYER, Short Hills, N. J.

SITUATION WANTED—Having managed cut flower store for two years with success, I desire to change position for larger concern by April 1, Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florists' Review.

SITUATION WANTED—Young man, well experienced in growing all kinds of plants, and well recommended, would like to have situation with commercial firm or private place. Please state wages. Address Florist, care Florists' Review.

SITUATION WANTED—By a florist, as working manager, to execute a new profitable enterprise. Expenses small, prompt returns, sterling worth. Communications confidential. At once; east, near New York. C. A. Ober, Gardener, Parsippany, N. J.

FOR SALE—3,000 square feet of glass, in the state of Indiana; must be sold at once. Address "B," Florists' Review.

WANTED—At once, good all around florist; steady place. Address, with references and wages expected, E. F. Overman, Wabash, Ind.

WANTED—A good rose grower, a working foreman, who can grow Beauties. Give references. Address W. C., Florists' Review.

SITUATION WANTED—By a first-class grower of cut flowers and plants; also good designer and decorator; references. G. R. B., 310 Foote Ave., Jamestown, N. Y.

SITUATION WANTED—By a practical florist and rose grower; specialty on fine roses, carnations, mums, violets, etc.; good designer; age, 38; best references. Address W. G., care 164 E. Main Street, Alliance, Ohio.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge. For particulars address A. H., care Florists' Review.

GREENHOUSE WOODWORK.

Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions, than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time for the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

Write for Circulars or Estimates.

Lockland Lumber Co.
LOCKLAND, O.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salary or commission basis. A first-class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—By competent man, in florist's store. Competent to take charge. Address Robert A. Betz, 10 Van Buren Street, Chicago.

POSITION WANTED—By an English florist. 15 years' experience in U. S. and Europe. References. Full particulars to "Hustler," care Florists' Review.

SITUATION WANTED—By first-class rose, carnation and violet grower; married; reference given. Address, THE MUNCIE FLORAL CO.,
Muncie, Ind.

SITUATION WANTED—As foreman, by all around man, single, American. 9 years' experience, temperate, West preferred.
ROSES, care Florists' Review.

SITUATION WANTED—As gardener, by a man of experience and ability, now disengaged through death of late employer. Thoroughly conversant with the management of a gentleman's country estate. Unexceptional references for ability and personal character. Address, Gardener, Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where finest cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

WANTED

A good, reliable traveling salesman for the Florists' Supply Line
Address S. C., care FLORISTS' REVIEW.

Dreer's Special Offer of New Cannas



THE CREAM OF THIS SEASON'S INTRODUCTIONS

GOLIATH. The finest crimson extant, rich and dazzling, large bold flowers thrown just the proper distance above the foliage, dwarf and uniform in habit, never exceeding three feet in height, broad massive dark green foliage.....**75 cents each**

J. D. EISELE. A magnificent vermilion scarlet, overlaid with orange, a fine flower and the best of its color.....**75 cents each**

MENELEK. The finest of Crozy's recent introductions, remarkably free flowering, with good sized flowers of a rich nasturtium red, a color that will contrast well with all other shades....**75 cents each**

FURST VON HOHENLOHE. An ideal yellow bedding Canna that is certain to please.....**50 cents each**

SAM TRELEASE. The nearest approach to a pure scarlet yet introduced, with almost perfectly round flowers which open out flat, almost like a single Petunia, the freest flowering Canna known to us and certain to become a standard sort...**35 cents each**

SUNRAY. An entirely distinct striped variety, ground color bright yellow, with stripes and dashes of bright scarlet running through almost to the edge of the petals.....**35 cents each**

We will furnish one each of the above select varieties for $3.00

For full descriptions of the above as well as all the leading new American, French and Italian varieties and a full line of standard sorts see our Quarterly Trade List, which has just been mailed to all in the trade. If you have failed to receive a copy apply for same, enclosing your business card.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.

To Florists

wanting to grow ERICAS (Heath) we offer below the Two BEST EASTER VARIETIES.

Fine Bushy One-Year-Old Plants from 4-inch Pots.

Erica persoluta ALBA, $15.00 per 100.
" " ROSEA, $12.00 " 100.

Cash with Order. **A. SCHULTHEIS,** P. O. Box 78.

Larger plants two-year-old from 5 inch pots, - $35.00 per 100. You can bring this in flower for Easter. No charges for packing.

College Point, L. I.

Save 25 per cent Duty.

NEW YORK, Jan. 1, '98.

MR. A. SCHULTHEIS,

Dear Sir:—We wish you a happy and prosperous New Year. At the same time we wish to say that the Heathers, Xmas and New Years, were the finest we ever handled. Yours very truly,

J. H. SMALL & SONS.

ROOTED CUTTINGS.

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100. $12.50 per 1000. Cuttings. Fine rose plants from 2½-inch pots ready February 15th.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor	$1.00 per 100. $7.50 per 1000.
Daybreak, Emma Wocher, Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea, Jubilee	$3.00 per 100. $25.00 per 1000.

No order for less than 100 of one variety accepted.

REINBERG BROS.,
51 Wabash Avenue, - CHICAGO.

A HANDSOME BASKET FERN.

A most attractive feature at the Lincoln Park Conservatories, Chicago, is a 24-inch wire hanging basket containing a fine specimen of the beautiful Polypodium subauriculatum. Some of the pendent fronds are ten feet long. This plant is from a small piece obtained about six years ago from Headgardener Pfister, at the White House, Washington. It has certainly made a wonderful growth and is a remarkably handsome specimen. The house has a night temperature of 65° to 75° and about 10° higher in day time.

Mr. Stromback thinks it could be readily propagated from runners, and also from spores which seem to be produced freely. Such specimens would be grand for decoration, and Mr. Stromback thought the fern could be so used if first hardened by keeping in a lower temperature for a time.

MR. N. GREIVELDING, of Merrill, Wisconsin, has in use a boiler made of fifty pieces of 2-inch pipe, the grate bars being also of pipe through which is a flow of water, and he reports that it has worked very satisfactorily with him. He considers it the most economical and best boiler he has ever had on his place.

NEW YORK MARKET.

Week Ending January 15, 1898.

Am. Beauty, fancy, extra long stem, each		40c to 50
Am. Beauty, extra, each		20c to 25
" " No. 1 each		10c to 15c
" " Culls and ordinary		
	per 100	1.00 to 3 00
Brides, 1st	"	3.00 to 5.00
" 2nd	"	1.00 to 2.00
Bridesmaids 1st	"	3.00 to 6.00
" 2nd	"	1.50 to 3.00
Meteors, 1st	"	6.00 to 10.00
" 2nd	"	2.00 to 4.00
Testouts, 1st	"	6.00 to 10.00
" 2nd	"	2.00 to 4.00
Morgans, 1st	"	3.00 to 5.00
" 2nd	"	1.50 to 2.00
Cusins, 1st	"	3.00 to 5.00
" 2nd	"	1.50 to 2.00
Perles	"	2.00 to 4.00
Carnations	"	1.00 to 2.00
" fancy	"	2.50 to 5.00
Valley	"	2 00 to 3.00
Roman Hyacinths	"	.25 to 1.50
Harrisii	"	8.00 to 10.00
Violets	"	.25 to .75
Paper white narcissus	"	1 00 to 2.00
Cattleyas	"	25.00 to 50.00
Cypripediums	"	8.00 to 10.00
Tulips	"	3.00 to 5.00
Von Sions	"	3.00 to 4.00
Smilax	"	6.00 to 10.00
Asparagus	"	50.00

HUNT'S REVIEW OF THE CHICAGO MARKET.

A quiet week. Local and shipping trade both complaining of lack of orders and few caring to carry stock speculatively.

Roses seemed to be off crop everywhere, but latter part saw some improvement and a few good bright days will help wonderfully, though continued shortage for some little time yet is probably still in store.

Carnations were good and at times plentiful. At present, however, best grades go quickly at a slight advance over last quotations. Whites of any sort and really first class Tidal Wave being in shortest supp'y.

Violets are good with uncertain supply and demand—the two often fa'ling to connect.

Romans and paper whites not quite so plentiful; most growers having forced the bulk of their surplus stock and now only turning out enough for regular trade. Tulips are now coming better and the scarcity of white roses has helped sales greatly.

An uncertain feeling pervades the market and one hardly knows whether there is really a good supply of stock in sight or whether we are about to enter a period of real scarcity—chances favoring the latter.

E. C. AMLING
WHOLESALE
CUT FLOWERS

CONSIGNMENTS SOLICITED
PROMPT ATTENTION TO SHIPPING ORDERS.

51 Wabash Ave. .. .. CHICAGO.

Make the work of ventilating easy if you want it done properly and attended to as frequently as it should be. The Evans' Challenge Ventilating Apparatus meets this requirement to the fullest degree. Quaker City Machine Co., Richmond, Ind.

CUT ORCHIDS OUR SPECIALTY.....
We are practical Orchid Growers and Export Handlers of Cut Orchid Flowers.
MacDONALD & McMANUS, WHOLESALE FLORISTS,
50 WEST 30TH STREET, NEW YORK.

JOHN I. RAYNOR
FIRST-CLASS
Flowers
IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.
49 West 28th Street, NEW YORK.

SAMUEL S. PENNOCK
Wholesale Florist
1612-14-16 Ludlow St.
PHILADELPHIA, PA.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

ROOTED CUTTINGS

By the Thousand.
BY MAIL.

	Per 100
Double Petunias, 50 varieties	$1.25
10 New Varieties this year	1.50
Not less than 5 of a kind.	
Begonias, flowering, 25 varieties	$1.50-2.00
Geraniums, 25 varieties	1.15
Ivy Geraniums, 10 varieties	1.50
Abutilons, Boule de Neige, Splendens, Golden Fleece and Souv. de Bonn	1.50
Heliotrope, 4 varieties, including Lemoine's Hybrid	1.00
Strobilanthes Dyerianus	1.00
Cuphea, segar plant	.75
Ageratum, white and blue	.75
Salvia, Wm. Bedman	1.00
Gazania Splendens	1.50

Cash with order, please.
GEORGE J. HUGHES, Berlin, N. J.

MEET US AT THE OLD STAND
ALWAYS OPEN
Millang & Co.
Wholesale Commission Florists,
48 W. 29th Street, NEW YORK.
Between Broadway and Sixth Avenue

WM. J. BAKER,
WHOLESALE CUT FLOWERS,
1432 S. Penn. Square, PHILADELPHIA, PA.
Original Headquarters for CARNATIONS.

EDWARD REID,
WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

GALAX LEAVES AND LEUCOTHOE SPRAYS---Green and Bronze.
Of all wholesale florists—or write the introducer for free samples and information.
HARLAN P. KELSEY,
H50 Tremont Building, - - BOSTON, MASS.

Mention the Florists' Review when writing advertisers.



SPECIAL NOTICE.

JUST RECEIVED—Our stock of Pearl Tuberose Bulbs.
Fine, large bulbs, per 100, $1.10; per 1,000, $8.00.

76-78 Wabash Avenue, CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking effect Monday, Jan. 24, 1898.
Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

CARNATIONS.			
Ordinary selected stock	per 100,	$1.50—	
Fancy	"	3.00—	
ROSES.			
Beauties, long	per doz.,	6.00—	
Beauties, medium	" "	3.00—	
Beauties, short	" "	1.50—	2.00
Brides	per 100,	4.00—	6.00
Kaiserin	"	4.00—	6.00
Maids	"	4.00—	6.00
Meteor	"	4 00—	6.00
Perles	"	4.00—	6.00
GREENS.			
Asparagus	per string,	$ .60—	
Ferns, Adiantum	per 100,	1.00—	
Common Fancy, 1,000, $1.50,	per 100,	.25—	
Smilax	per doz., 1.25; per 100,	10.00—	
Ivy Leaves	per 100,	.50—	
Galax	per 1000, $1.50 "	.15—	
Wild Smilax, Parlor Brand	case,	3.75—	
Wild Smilax, Medium	"	5.50—	
Wild Smilax, Large	"	8.00—	
Extra fine lot of Wild Smilax now on hand.			
MISCELLANEOUS.			
Marguerites	per 100,	.75—	
Mignonette	per bunch of 25,	1.00—	
Callas	per doz.,	1.50—	
Harrisii	"	1.50—	2.00
Romans	per 100,	3.00—	
Paper white Narcissus	"	3.00—	
Stevia	"	1.25—	
Valley	"	4.00—	
Violets	"	.75—	1.00

All other seasonable stock at market rates.
Regular orders solicited.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

Special Attention given to the Shipping Trade.

UP-TO-DATE..... CUTTINGS

The following carnation cuttings are rooted in sand, then transplanted into good soil, are strong and healthy, every cutting a good one:

Wm. Scott and Lizzie McGowan, $1.00 per 100, $10.00 per 1,000.
Daybreak, $2.00 per 100, $15.00 per 1,000.
Coleus, Golden Bedder, Crimson Bedder and 20 other good Bedders now ready from strong top cuttings, 2¼-inch pots, will make you lots of cuttings, $1.00 per 100, $10.00 per 1,000.

Named Geraniums, up-to-date varieties, 2¼-inch pots, $2 per 100, $20 per 1,000.
Salvias, Petunias, Feverfew, Little Gem and Begonias, all named, 2¼-inch pots, at $2 per 100, $20 per 1000.

The MORRIS FLORAL CO.
MORRIS, ILL.

Two Superb Carnations

These are a continuation of our fine varieties—equal to Triumph, Jubilee, Flora Hill, for commercial purposes—You want good sized flowers, freely produced. Send for descriptions. **$10 per 100, $75 per 1,000**

PSYCHE AND... PAINTED LADY

FLORA HILL. Nothing in sight to touch it for commercial purposes..... **$5 per 100, $40 per 1,000**

E. G. Hill & Co., Richmond, Ind.

CHRYSANTHEMUMS.
STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 100; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

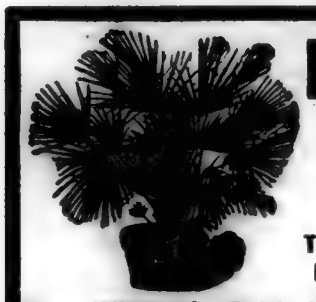
CHAS. L. MARSHALL, 67 Merrimac St., Lowell, Mass.

30,000 DAHLIAS.



Before ordering your Dahlia stock, be sure and send for my Catalogue

Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.
Box 382. **W. W. WILMORE, DENVER, COLO.**



PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

FERNS

In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1000.

CHAS. T. DARLING, STONY BROOK, L. I., N. Y.

CHICAGO.

Trade Conditions.

There has been a shortening of supply and a slight increase in demand. Nearly all the growers seem to be off crop, and if the demand should turn very brisk the shortage would be serious. As it is, all stock of fair quality meets with ready sale, and in roses there is very little high grade stock to be had. All seem much encouraged over the outlook and feel that by the time the supply increases there will be demand enough to use up the cut at fair prices.

Kennicott Bro.'s Co. expect to soon begin receiving the annual cut of fancy pink tulips from Klehm's Nurseries. They are growing 70,000 bulbs this year and it is hoped the supply will more nearly equal the demand than in the past. Kennicott Bro.'s Co. will handle the lot.

Club Entertainment.

The Florist Club's entertainment last Thursday evening was a very enjoyable affair. The program as printed in last issue was carried out with but two exceptions. For No. 5 a song by the club quartette was substituted, owing to Miss Blumenthal's illness. Miss Wolf was also unable to be present, and Mr. Flint Kennicott was called upon to fill the number. He responded by calling upon his daughter Grace, a miss of fourteen years, who recited "Shamus O'Brien" in a way that took the audience by storm. Every number on the program called forth a storm of applause, and, owing to the numerous recalls, the program was really doubled in length. "Ladies' Night" was certainly an exceedingly pleasant one.

Program for Next Meeting.

At the next meeting of the club, January 27, Mr. Joseph Reeve will read a paper on "Pot Plants for Market," and in view of the constantly increasing demand for good flowering plants at the holidays, the subject is a very timely one. In addition to above Mr. Geo. Stollery will tell the club about the pot plants grown for the eastern markets, and which he noted on his recent trip.

The Coming Convention.

Last Saturday there was a meeting of the committee in charge of arrangements for the coming convention of the American Carnation Society. Steps were taken looking to the securing of suitable space for the meeting and the exhibition, the providing of vases, tables, attendants, etc. A banquet was decided upon as the form of entertainment. An excellent start toward a sufficient fund was made at the committee meeting, and work will now go rapidly forward.

Visitors.

Among recent visitors was Mr. Reed, of McPherson & Reed, Council Bluffs, Ia.

Mr. C. C. Pollworth, of Ellis & Pollworth, Milwaukee, was in the city last Wednesday.

ST. PAUL, MINN.—The state of Minnesota pays a bounty of $2.50 an acre for tree planting, and the state auditor recently issued 3,000 warrants aggregating $20,000 to various planters of trees.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE,
CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE
EXPRESS 466.

WINTER & GLOVER
WRITE US FOR ILLUSTRATED CATALOGUE.
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
FULL LINE OF WIRE DESIGNS AND FLORISTS' SUPPLIES.
21 Randolph St., CHICAGO.

REINBERG BROS.
500,000 FEET OF GLASS.
WHOLESALE GROWERS OF CUT FLOWERS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.
Write for Prices on....
....Rose and Carnation Rooted Cuttings.
51 WABASH AVENUE, CHICAGO.

HARDY ROSES, C. H. JOOSTEN, Importer,
193 Greenwich St., NEW YORK.
Etc., For the Garden and Greenhouse.
See advertisement this paper Dec. 2, page 57.

C. A. KUEHN WHOLESALE FLORIST
Cut Flowers and Florists' Supplies.
Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.

..C. W. WORS..
Wholesale Florist
2740 OLIVE STREET
ST. LOUIS, MO.....
FINE ROSES—Shipped Carefully to all Parts of the Country.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.
MOUND CITY CUT FLOWER CO.
Wholesale Commission Florists
1322 PINE ST. ST. LOUIS, MO.
Consignments Solicited.
Special Attention paid to Shipping Orders.

BOXES Oil-Cloth Lined, Bouquet...
and other Boxes for florists.
G. MORIN, 125 W. 25th St., NEW YORK CITY.
WRITE FOR PRICES.



Subscribers who are large buyers of trade supplies and who would like a larger interest than the one provided in our subscription offer are requested to correspond with us. Florists' Publishing Co., 530 to 535 Caxton Building, Chicago : : : : : : :

ROSE HILL NURSERIES,
JUST ARRIVED!
COCOS WEDDELIANA,
$7.50 per 1,000; 5,000 lots, $36.00
SIEBRECHT & SON, New Rochelle, New York.
New York Office, 409 Fifth Avenue.

EVERGREENS
Specimens for Pots and Winter Decorations.
Send for Descriptive Catalogue and Trade List
SAMUEL C. MOON,
MORRISVILLE, - BUCKS CO., - PA.

PALM Seed. Fresh on Hand.

	100.	1000.	3000.
Cocos Weddeliana	$1.25	$10.00	$27.50
Musa Ensete	1.25	10.00	27.50
Pandanus Utilis	1.50	12.50	35.00
Asparagus plumosus nanus (true)	1.50	12.50	35.00

J. L. SCHILLER,
404 E. 34th Street, New York, N. Y.

THE BEST FOR ALL Florists
"ROSE LEAF" INSECTICIDE
EXTRACT OF TOBACCO
For Sale by Seed Stores.
For Free Pamphlet, write to
Louisville Spirit Cured Tobacco Co.
Louisville, Ky.

CHAS. W. JACOB & CO.
DIRECT RECEIVERS OF
CAPE FLOWERS
WRITE US for Samples and Prices for any Quantity.
NO. 63 PINE ST., NEW YORK.

ROGERS PARK FLORAL CO.
Wholesale Growers of
CUT FLOWERS.
All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, - CHICAGO.

Carnations & Chrysanthemums
New and Standard Varieties
Our new Trade List will embrace the leading novelties of 1898 and 1897, as well as the best standard sorts. Address
H. WEBER & SONS....OAKLAND, MD.

One sale makes two other sales. A trial of our apparatus will make you a customer for all the apparatus you may ever need. We want you to give it that trial—the apparatus will do the rest. Quaker City Machine Co., Richmond, Ind.

Kennicott Bros. Co. is the oldest and most reliable wholesale commission cut flower establishment in Chicago.

CAMBRIDGE, MASS.

Nephrolepis Bontoniensis had a phenomenal sale at Christmas. Fred C. Becker sold right out and could have sold hundreds more. He has planted up for next season. W. E. Doyle disposed of an immense number at retail, also azaleas.

I noticed some fine lilacs in bloom. Mr. Murphy told me he could have had Legraye in at Christmas had he desired. He is putting in continuous batches until Easter. Mme. Legraye produces considerable foliage with the flowers, which makes it more desirable. It is more fragrant than Charles X.

Clerodendron Balfouri is grown in considerable number; trained on balloons, and in full flower it is an attractive plant.

P. O'Brien & Son were well pleased with holiday trade. Houghton & Clark echoed this sentiment; in fact, I found but one gentleman in the City of Beans who objected to the Christmas rush. He said the crush turned away one's regular customers, who were then forced to go elsewhere. Maybe they went to Houghton & Clark, who noticed a host of new buyers.

James Delay and W. E. Doyle had a big rush; Galvin at both stores, especially at the Back Bay. Everybody was rushed and stock cleaned out. W. M.

HARTFORD, CONN.

The cold snap was the only drawback to a grand holiday business. D. A. Spear had a fine stock and cleaned right out. John Coombs had a great run on violets, of which he has a fine house of Marie Louise. Bulbous stock is coming in well.

A. N. Pierson is sending in some well grown stock, especially roses and carnations. I understand Mr. Pierson has been in Maine nearly all winter, where with a party of refiners he is engaged in a process of extracting gold from salt water (fact). Latest reports are quite encouraging. Mr. Pierson's brother is in charge of the business during his absence.

I met W. J. Boaz, the pushing representative of Edwards & Docker. He reports an unusual demand for folding boxes which augurs well for a good season. W. M.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
Cut Strings, 8 to 10 Feet Long 50 cts. Each.
Shipped to any Part of the Country.

TELEPHONE 1496.
A. L. RANDALL
126 DEARBORN STREET, CHICAGO.
Don't Forget
.....that we are at the old number, 126 Dearborn Street. Write for special quotations on large orders.
Wholesale Florist.

W. E. LYNCH,
...Wholesale Florist...
The right kind of stock, packed in the right way, delivered at the right time, and at the right prices.
19-21 Randolph St., CHICAGO.

A. G. Prince & Company
Telephone .....Main 3208
Agents for..... HINSDALE ROSE CO.
WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES
88 and 90 Wabash Ave., - Chicago

HEADQUARTERS FOR
AMERICAN BEAUTIES
BASSETT & WASHBURN, Chicago

FOR SALE 5000 feet of glass at Jamestown, N. D. Price $1,500—⅓ cash, balance may be paid in cut flowers.
W. W. SEEKINS...FLORIST
921 E. THIRD STREET, - - DULUTH, MINN.

LAGER & HURRELL
Growers and Importers of
ORCHIDS
Correspondence Solicited.
SUMMIT, - - N. J.

GIVE US A TRIAL WE CAN PLEASE YOU.
HEADQUARTERS IN WESTERN NEW YORK
ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist...
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2-in. pots, $2.25 per 100 $20 per 1,000. Send for samples...
Cash with the order.
FRED. BOERNER, CAPE MAY CITY, N. J

Always mention the Florists' Review when writing advertisers.



Rooted Cuttings.

We are booking orders now for the following Roses and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them. Send your orders in now.

ROSES.

Brides . . . . . .
Bridesmaids . . .
Meteors . . . . . .
Kaiserins . . . .
La France . . . .
Perles . . . . . .

$1.50
Per Hundred

Do not write for other kinds for we do not grow them.

We shall have abundance of nice plants later in the season.

CARNATIONS.

	PER HUNDRED	PER THOUSAND
Flora Hill	$5.00	$40.00
Jubilee	3.00	25.00
Mrs. Geo. M. Bradt	6.00	
Triumph	3.00	25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

Bassett & Washburn,

Greenhouses and Residence:
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store.....88 Wabash Ave., CHICAGO, ILL.
Long Distance 'Phone Main 223.

JOIN THE
NATIONAL FLORISTS' BOARD OF TRADE
Organized for the Protection of Seedsmen, Nurserymen, Florists and kindred interests.

We Furnish monthly information
Make credit reports : : : : :
Make collections : : : : : :
Subscription to information department, $10.00 per annum. Special reports, 50c each. Collections made at regular rates.
271 Broadway....New York.
CORNELIUS S. LODER, Secretary.

CINCINNATI.

A Brighter Outlook.

I am glad to be able to report a noticeable improvement in the cut flower business this week and so far as can be learned the outlook is becoming brighter. There has been a falling off of stock, especially roses, occasioned by dark weather and off-crops. The glut of last week was not caused by an increased supply but rather a lack of business. Carnations are still abundant, ordinary varieties selling at $1.50 per hundred, fancies going slow at $4 and $5. Brides and Maids are held at $5 and $6, Meteors $6 and $8, Perles $4, callas $8, Harrisii $10, Romans $2 and $3, narcissus $3, violets 75 cents and $1. The latter still seem to be losing their popularity, Princess of Wales and California selling in preference to the double ones.

A Visit From the Indianapolis Brethren.

A party consisting of ten brother florists from Indianapolis spent last Sunday with us calling upon Messrs. Witterstaetter, Murphy and Peterson. To say that Dick's Evelina opened their eyes expresses it mildly. The boys all had a pleasant time and departed feeling well satisfied with their visit.

Notes.

C. C. Murphy met with another accident Monday. As he was driving over the 8th street viaduct, a car struck his wagon. Mr. Murphy was fortunate enough to escape with a slight shaking up, but I am sorry the same cannot be said about his vehicle, which was badly damaged

H. Weber of Oakland, Md., was a caller last week. B.

NATHAN SMITH & SON,
WHOLESALE FLORISTS
SPECIALTIES: ADRIAN, MICH.
Chrysanthemums,
Carnations and Violets.
Correspondence solicited.

Carnations

New Carnations---------
White Cloud.—White.
Gold Nugget.—Yellow.
New York (Ward).—Bright cerise pink.
Mrs. James Dean (Ward)—Clear silvery pink.
John Young (Ward).—White.
Bon Ton (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill) and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums
Mrs. C. H. Peirce.—Yellow. 35c each, $3.50 per doz., $25.00 per 100.
Snow Queen.—White. 50c each, $5.00 per doz., $35.00 per 100.
Merry Christmas.—Late White. 35c each, $3.50 per doz., $25.00 per 100.
Send for Descriptive Price List. Ready January, 1898.
F. Dorner & Sons Co.
LA FAYETTE, IND.

YOU CAN HAVE PLANTS RIGHT AWAY OF THE
NEW PINK... ...CARNATION Mrs. Frances Joost
Price, $2 per doz.; $10 per 100; $75 per 1000. Cash with Order.
C. BESOLD, MINEOLA, LONG ISLAND, N. Y.

FORCING SPIRÆA
Astilboides Floribunda.....$6.00 per 100
Multiflora Compacta..... 6.00 per 100
These are extra fine clumps, not divided. Also a limited quantity of Lilium speciosum album, roseum and rubrum; good for forcing—Holland grown. Orders entered now for hardy nursery stock, such as Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, H. P. Roses, Pæonia, etc.
L. C. BOBBINK, Rutherford, N. J. BRANCH OF THE Horticultural Co., Boskoop, Holland.

SEEDS LAWN GRASS $12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS.
North-East Corner Second & Walnut Sts., Cincinnati, O.
SEND FOR ILLUSTRATED CATALOGUES

For Sale ROOTED CUTTINGS.
TIDAL WAVE, - per 100, $1.50; 1000, $12.00.
LIZZIE McGOWAN, per 100, $1.25; 1000, $10.00.
CENTURY, - - - per 100, $5.00; 1000, $40.00
No orders filled for less than 100.
OTTO HANSEN, Mt. Clare, Ill.

WIRE DESIGNS

You may order of any Chicago wholesale florist advertising in the Florists' Review from this list

Discounts may vary, but the list is standard.

Anchors—FLAT.

Inch	Price	Inch	Price
8.....	$0 08	16.....	$0 16
10.....	10	18.....	18
12.....	12	20.....	20
14.....	14	22.....	23
24.....			25

ON BASE.

8.....	12	16.....	26
10.....	15	18.....	30
12.....	18	20.....	35
14.....	22	22.....	40
24.....			50

ON RECLINING STAND.

8.....	10	16.....	23
10.....	12	18.....	26
12.....	15	20.....	30
14.....	20	22.....	35
24.....			45

ON BASE WITH STAR ABOVE.

10.....	25	16.....	35
12.....	27	18.....	45
14.....	30	20.....	55

ON EASEL WITH SCROLL FOR LETTERING.

10.....	20	18.....	45
12.....	25	20.....	55
14.....	30	22.....	70
16.....	35	24.....	90

Anchor and Cross

10.....	10	18.....	18
12.....	12	20.....	20
14.....	14	22.....	25
16.....	16	24.....	30

ON BASE

10.....	17	18.....	35
12.....	20	20.....	40
14.....	25	22.....	45
16.....	30	24.....	50

Broken Columns

12.....	18	21.....	35
15.....	20	24.....	40
18.....	25	30.....	60
36.....			80

WITH BROKEN ANCHOR AND STAR-FLAT.

24.....	75	30.....	1 25
27.....	1 00	36.....	1 65

WITH WREATH ENTWIN'D

24.....	65	30.....	1 15
27.....	90	36.....	1 40

Broken Link

12.....	15	15.....	20
18.....			25

Balls

6.....	6	9.....	12
7.....	8	10.....	15
8.....	10	12.....	20

Banners

24.....	50	36.....	75
30.....	60	42.....	1 10

Bases

5.....	6	9.....	20
6.....	8	10.....	25
7.....	10	11.....	35
8.....	15	12.....	50

Handle Baskets.

ROUND.

4..doz	35	8..doz	80
5.. "	45	9.. "	1 00
6.. "	55	10.. "	1 20
7.. "	65	12.. "	1 50

OVAL.

6..doz	55	9..doz	1 10
7.. "	70	10.. "	1 35
8.. "	85	12.. "	1 60

Bee Hives

12.....	25	18.....	40
15.....	30	21.....	50
24.....			65

Bells.

SINGLE FRAME.

8.....	20	15.....	45
10.....	25	18.....	60
12.....	30	21.....	80

DOUBLE FRAME.

8.....	$0 30	15.....	$0 60
10.....	40	18.....	80
11.....	50	21.....	1 00

SINGLE.

5..doz,	50	6...doz,	65
7 doz.....			80

Bibles or Books.

8x12....	20	12x20....	45
10x16....	30	14x24....	75

ON STUMP.

12x20....	75	14x24..	1 00

Bicycles.

MEASUREMENT WHEEL.

15.....	3 00	20.....	4 50
25.....			7 00

Bouquet Frames.

FLAT.

5.....	5	10.....	10
6.....	6	12.....	12
8.....	8	14.....	15

Bow and Arrow

Inch	Price	Inch	Price
18.....	30	30.....	40
24.....	35	36.....	55

Broken Wheel

16.....	35	20.....	65
18.....	50	24.....	85

ON BASKET.

18.....	1 25	24.....	1 65

Broken Wreath

WITH SICKLE ON BASE.

12.....	50	14.....	65
16.....			85

Butterflies

12.....	40	11 on base	55
15.....	50	15 "	75
18.....	65	18 "	1 00

Crescents

8.....	6	14.....	14
10.....	8	16.....	18
12.....	10	18.....	23

ON BASE.
(Measure of Crescent.)

10.....	18	14.....	30
12.....	23	16.....	40
18.....			50

Crescent Wreaths

10.....	8	16.....	18
12.....	12	18.....	21
14.....	15	20.....	30
24.....			40

ON BASE.
(Measure of Wreath.)

16.....	20	16.....	45
12.....	25	18.....	55
14.....	35	20.....	70
24.....			90

ON RECLINING STAND.

10.....	16	16.....	30
12.....	20	18.....	40
14.....	25	20.....	55
24.....			75

Crosses

FLAT.

8.....	3	16.....	7
10.....	4	18.....	8
12.....	5	20.....	10
14.....	6	22.....	12
24.....			14

ON BASE
(Measure of Cross.)

8.....	10	18.....	21
10.....	12	20.....	23
12.....	15	22.....	25
14.....	17	24.....	30
16.....	19	27.....	40
30.....			50

ON RECLINING STAND.

8.....	9	16.....	17
10.....	11	18.....	20
12.....	13	20.....	22
14.....	15	22.....	24
24.....			27

BROKEN—WITH SICKLE.

Each..... 55

BROKEN—WITH SWORD.

Each..... 50

Cross and Crown
(Measure of Crown)

12.....	35	18.....	65
15.....	50	21.....	90

Maltese Crosses

6.....	$0 6	14.....	$0 14
8.....	8	16.....	16
10.....	10	18.....	20
12.....	12	20.....	30
24.....			50

ON BASE.
(Measure of Cross.)

6.....	12	14.....	30
8.....	15	16.....	40
10.....	20	18.....	50
12.....	25	20.....	65
24.....			80

Slanting Crosses

12.....	6	22.....	15
14.....	7	24.....	18
16.....	8	27.....	25
18.....	10	30.....	35
20.....	12	33.....	45
36.....			60

ON BASE.
(Measure of Cross)

12.....	15	22.....	35
14.....	18	24.....	40
16.....	21	27.....	50
18.....	25	30.....	65
20.....	30	33.....	80
36.....			1 00

Crowns

FLAT.

8.....	18	12.....	25
10.....	21	15.....	35

FLAT, ON BASE.

8.....	25	12.....	45
10.....	35	15.....	55

ROUND.

7.....	25	11.....	45
9.....	35	13.....	55

ROUND, ON BASE.

7.....	35	11.....	55
9.....	45	13.....	65

ROUND, ON BENT STAR.

9C'r'n	60	11.....	85

Doves

Flat...	25	D'v Sh'p	75

Easels

15.....	6	24.....	11
18.....	7	27.....	13
21.....	9	30.....	18
36.....			25

Four Leaf Clover

FLAT.		ON BASE.	
10.....	25	10.....	35
12.....	35	12.....	45
15.....	45	15.....	60

Faith, Hope and Charity

THREE PIECES, SEPARATE

20.....	50	30.....	1 00
25.....	75	36.....	1 25

NEW YORK STYLE COMBINED.

FLAT.		ON BASE.	
16.....	25	16.....	40
20.....	45	20.....	60
24.....	65	24.....	85

Fans

10.....	10	14.....	15
12.....	13	16.....	18

Fan on Easel

15 Easel	18	21 Easel	30
18 "	25	24 "	40

Fireman's Hat

Regular Size..... 75

Fireman's Trumpet

15.....	25	21.....	45
18.....	35	24.....	55

Gates Ajar

SINGLE ARCH.		DOUBLE GATES.	
15-in b'se	50	21-in b'se	90
18 "	70	24 "	1 15

DOUBLE ARCH.

15-in b'e	65	21-in b'e1	10
18 "	85	24 "	1 25

Grand Army of the Republic

BADGE ON EASEL.

30.....	1 25	36.....	1 50

Gypsy Kettle

28.....	45	36.....	70

Harps

FLAT BASE.

10.....	10	18.....	25
12.....	14	21.....	35
15.....	18	24.....	45

ON ROUND BASE.
(Measure of Harp)

10.....	18	18.....	35
12.....	21	21.....	45
15.....	28	24.....	60

ON RECLINING STAND.

10.....	16	18.....	30
12.....	20	21.....	40
15.....	25	24.....	50

Headstone

PLAIN.

16.....	50	20.....	75

WITH CROSS, STAR OR HEART.

16.....	65	20.....	90

Hearts

6.....	4	14.....	10
8.....	5	16.....	15
10.....	6	18.....	20
12.....			8

ON BASE.
(Measure of Heart.)

6.....	$0 10	14.....	$0 28
8.....	12	16.....	35
10.....	16	18.....	45
12.....			22

ON RECLINING STAND.

6.....	8	14.....	25
8.....	10	16.....	30
10.....	14	18.....	35
12.....			18

Open Hearts.

8.....	10	14.....	20
10.....	12	16.....	25
12.....	15	18.....	35

ON BASE.

8.....	18	14.....	35
10.....	20	16.....	50
12.....	25	18.....	65

ON RECLINING STAND.

8.....	14	14.....	30
10.....	18	16.....	40
12.....	25	18.....	55

BROKEN—WITH SICKLE.

Inch	Price	Inch	Price
14 on b'se	55	16 on b'se	60
18 "			75

Hook and Eye

11.....	50	15.....	68

Hour Glass

HALF ROUND.

12.....	30	16.....	40
14.....	35	18.....	50

IN ARCH.

Round.....			1 00

Horseshoes

WITH FOLDING STAND.

6.....	6	18.....	25
8.....	8	20.....	30
10.....	10	24.....	50
12.....	12	30.....	75
14.....	15	36.....	1 15
16.....			20

Keystone

12.....	15	21.....	35
15.....	20	24.....	45
18.....			25

ON EASEL.

12.....	25	21.....	45
15.....	30	24.....	55
18.....			35

Knapsack

Natural Size..... 75

WITH CROSS GUNS.

14-in Gns	60	30-in Gns	75

Knights of Phythias

NEW STYLE.

20.....	1 15	24.....	1 50

OLD STYLE.

24.....	2 50	30.....	3 25

Knights Templar

ON EASEL.

20.....	85	24.....	1 15

Knights of Labor Emblem

18.....	28	20.....	35

Ladder

WITH FOLDING STAND

24.....	50	36.....	75
30.....			60

Letters

SINGLE WIRE.

3.....	1¼	7.....	3½
4.....	2	8.....	4
5.....	2½	10.....	5
6.....	3	12.....	6

FLAT, TWO WIRES.

5.....	7	8.....	12
6.....	10	10.....	15

DOUBLE FRAME.

5.....	10	10.....	18
6.....	12	12.....	21
8.....			15

Light House

Complete.....			1 75

Locomotive

36.....	5 00	48.....	7 50

WITH TENDER.

50.....	7 50	72.....	12 00

Lover's Knot

SINGLE FRAME.

24.....	30	30.....	40
36.....			50

DOUBLE FRAME.

24.....	50	30.....	70
36.....			90

Lyres

FLATS.

10.....	12	18.....	30
12.....	18	21.....	40
15.....	25	24.....	50

ON BASE.

10.....	20	18.....	40
12.....	25	21.....	50
15.....	30	24.....	75

ON RECLINING STAND

10.....	16	18.....	35
12.....	20	21.....	45
15.....	25	24.....	60

ON BASE WITH STAR ABOVE.

12.....	30	18.....	50
15.....	40	21.....	65

Mantel Baskets.

10.....	10	15.....	15
12.....	12	18.....	20

Masonic Designs

12.....	$0 25	16.....	$0 40
14.....	30	18.....	50

Monogram

OF ANY TWO LETTERS.

12.....	50	15.....	75

Monuments

15.....	25	24.....	40
18.....	30	30.....	60
21.....	35	36.....	80

Musical Instrum'ts

BANJO.

Inch	Price	Inch	Price
18.....	50	30.....	1 00
24.....			75

GUITAR.

24.....	75	36.....	1 25
30.....			90

MANDOLIN.

18.....	50	24.....	1 00
21.....			75

TAMBOURINE.

18.....	15	12.....	25
10.....			20

VIOLIN.

18.....	65	24.....	1 10
21.....			80

Oddfellows' Design's

18.....	35	24.....	50
21.....			45

ON BASE.

18.....	50	24.....	75
21.....			60

Palette on Easel

DOUBLE FRAME.

12.....	30	14.....	40
16.....			50

Pillows

10.....	8	16.....	18
12.....	11	18.....	21
14.....	15	21.....	27
24.....			35

WITH ANCHOR AND STAR

12.....	25	16.....	45
14.....	35	18.....	60

WITH HEART, STAR OR CROSS ABOVE.

10.....	18	14.....	27
12.....	21	16.....	32
18.....			40

WITH CROWN.

FLAT CROWN.		ROUND CROWN.	
14.....	40	14.....	50
16.....	50	16.....	60
18.....	60	18.....	70

WITH LYRE OR HARP.

14.....	35	18.....	50
16.....			40

WITH FAITH, HOPE AND CHARITY.

NEW YORK.		SEPARATE.	
18.....	60	18.....	80

WITH GATES AJAR, SINGLE ARCH.

15.....	75	21.....	1 40
18.....	85	24.....	1 75

Plow

ENTIRE LENGTH

18.....	75	30.....	1 35
24.....	1 00	36.....	1 75

Pyramids

9.....	12	18.....	25
12.....	15	21.....	30
15.....	20	24.....	40

Rock of Ages.

32 plain.....			55
32 with basket.....			1 00

Royal Arcanum

24.....			2 00

Scales of Life

24.....	1 00	36.....	1 50
30.....	1 25	42.....	2 00

Scrolls

SINGLE FRAME.

18.....	35	21.....	50

DOUBLE FRAME.

18.....	55	24.....	90
21.....	75	30.....	1 25

Shepherd's Crook

24.....	30	36.....	50
30.....	40	42.....	65

Shields

12.....	12	18.....	20
15.....	15	21.....	30

ON BASE.

12.....	20	18.....	40
15.....	30	21.....	50

Sickles—FLAT.

10.....	8	21.....	25
12.....	10	24.....	35
15.....	12	27.....	50
18.....	17	30.....	75

ON BASE.

10.....	16	21.....	40
12.....	20	24.....	55
15.....	25	27.....	75
18.....	30	30.....	1 10

ON EASEL.

12.....	18	21.....	40
15.....	21	24.....	58
18.....	30	27.....	65
30.....			1 00

ON BASE WITH BROKEN CROSS.

18.....			55

SQUARE FRAME WITH SICKLE ON EASEL.

Inch	Price	Inch	Price
20x24..	$1 25	24x30.	$1 65

Stack of Guns.

36.....	1 50	42.....	2 25

Stars—FLAT.

6.....	4	12.....	10
8.....	6	14.....	12
10.....	8	16.....	15
18.....			20

ON STAND, SLANTING.

6.....	8	12.....	15
8.....	10	14.....	20
10.....	12	16.....	30

ON BASE.

6.....	10	12.....	20
8.....	12	14.....	25
10.....	15	16.....	30

Star and Crescent

OLD STYLE.

10.....	25	16.....	50
12.....	30	18.....	65
14.....	40	21.....	85
24.....			1 10

Star and Crescent on Base

NEW STYLE.

10.....	25	18.....	70
12.....	35	21.....	85
14.....	45	24.....	1 10
16.....			55

ON EASEL WITH SCROLL.

12.....	40	16.....	60
14.....	50	18.....	80

ON STAND WITH BAR FOR LETTERING.

10.....	25	16.....	50
12.....	30	18.....	65
14.....	40	21.....	1 00

Tablet With Closed Book

24.....			1 00

Triangles

10.....	10	14.....	15
12.....	12	16.....	20
18.....			25

ON BASE.

10.....	18	14.....	30
12.....	25	16.....	35
18.....			45

ON RECLINING STAND.

10.....	15	16.....	32
12.....	20	18.....	40
14.....			26

Umbrellas

24.....	50	30.....	75
36.....			1 00

United Workmen's Designs

18.....	30	20.....	35

ON BASE.

18.....	45	20.....	60

Wishbones

FLAT.

18.....	60	24.....	75

ON BASE.

18.....	75	24.....	90

Woodman's Design

24.....	1 75	30....	2 25

Wreaths

6.....	2	10.....	6
7.....	3	11.....	7
8.....	4	12.....	8
9.....	5	14.....	10

ON BASE

8.....	10	11.....	16
9.....	12	12.....	20
10.....	14	14.....	25

ON RECLINING STAND.

8.....	7	11.....	12
9.....	9	12.....	14
10.....	10	14.....	18

WITH CROSS.

12.....	14	14.....	17

WITH STAR OR HEART

12.....	16	14.....	19

WITH ANCHOR.

12.....	18	14.....	21

WITH REST.

Double Letters.		Single Letters.	
12.....	45	12.....	18
14.....	55	14.....	25

WITH BAR.

10.....	9	14.....	15
12.....	12	16.....	

Yoke

SINGLE FRAME.

18.....	30	30.....	50
24.....	40	36.....	60

DOUBLE FRAME.

24.....		30.....	75

OMAHA.

Trade Fair.

All the florists report a good and steady business, especially in funeral work. For the last two weeks we have had nice spring-like weather, which is helpful to stock, although roses are somewhat scarce. Carnations and violets are more plentiful. Bulbous flowers are in large supply and come handy for floral work. Cyclamen and primroses are showing up well in most the florists' windows and are reported to sell well.

Mr. R. Unger has closed his store on Sixteenth street and intends to sell his stock at wholesale.

The Trans-Mississippi Fair Association intends to grow their own plants for the grounds. They want to rent some houses from a local florist, but the indications are that they will erect new houses for their own use.

A Visit to Lincoln.

Having visited Lincoln, Neb., last week, I called upon several florists, visiting the storemen first. I first called on Frey & Frey, and found their store well stocked with azaleas and palms. Mr. J. B. Frey, of the above firm, reports a good steady business. Calling upon C. H. Frey, I found Mr. M. Frey had sold his interest to Mr. A. Eidn, of Lincoln, who has charge of the shipping department. Mr. Eidn also reports trade good. Next I called on Chapin Bros., who have a conservatory located in the most desirable residence portion of the city, where they carry on their retail business as well as shipping department. Their greenhouses are three miles southeast of Lincoln, and found them in good condition, especially their carnations and roses.

C. H. Frey has a range of eleven houses 20x127 which are all new and modern, and every inch of space occupied by No. 1 stock, which impresses the visitor with an air of prosperity.

Frey & Frey's greenhouses are located nearer the city and were well stocked. They have a house of Easter lilies, as well as a house of violets which show the skill of the owners.

A few blocks north of Frey & Frey's is located the establishment of C. B. Keller, which is a model place, in a good residence portion. Mr. Keller reports good business. J. J. H.

A Record Breaker!

:::: NEW CANNA ::::
JOHN B. DUTCHER

Certificated by New York Gardeners' Society and Westchester Hort. Society. A first-class Canna superior to any crimson flowering Canna advertised or introduced to date. 3½ ft. high, vigorous and good bloomer, $25.00 per 100 dormant eyes; $4.00 per dozen 12 dormant eyes; 50 at the 100 rate. All stock controlled by Rowehl & Granz. We offer the dormant eyes up to Feb. 15th. Cash with order.

ROWEHL & GRANZ,
Hicksville, L. I., N. Y.

SIMMONS'
New Light Colored CARNATION
Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

THE NEW PRIMROSE YELLOW
Chrysanthemum Pennsylvania

The finest Chrysanthemum for cut blooms or exhibition ever introduced.

Each	50c	Per Hundred	$ 35.00
Per Dozen	$5.00	Per Thousand	250.00

Fifty at one hundred, and five hundred at one thousand rates.

Hugh Graham,
104 So. Thirteenth Street, Philadelphia, Pa.
Originator and Introducer.

FIREFLY!
A Rust-Proof Carnation for Business.
Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.
Geo. Hancock & Son, Grand Haven, Mich.

SMILAX FINE STRINGS 12½ CENTS.
A. J. BALDWIN, Newark, O.

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

Carnations
Rooted cuttings of both standard varieties and novelties at popular prices
....I CAN PLEASE YOU
S. J. Reuter, Westerly, R. I.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

..High Grade Florists' Flower Seeds..

Aster Queen of the Spring, pure white, comes into bloom 2 weeks earlier than Queen of the Market — ¼ oz. $0.35, oz. $1.00

Victoria, white, scarlet, rosy, carmine, light blue, blue and white, rose or mixed — Pkt. 1-16 $0.35, ¼ oz. $1.00, oz. $3.00

Semple's superb strain of long stemmed aster, white, pink, lavender or mixed .. Pkt. .20, 1-16 .50, ¼ oz. 1.50

Bellis PERENNIS, FL. PL. Maxima, red, extra large flowers — 1-32 oz. $0.50

Snowball, pure white — .50

Longfellow, pink — .25

Candytuft Dobbie's White Spiral, very fine — oz. $0.25

Empress, long white spikes — .20

Petunia Giant Fringed, single mixed, very large, beautifully penciled — Pkt. $0.50

Giant Fringed, double mixed — 1.00

Phlox Drummondi, Graf Gero. Excellent market plants, lilac and white, alba, coccinea, rosea, rosea alba occulata, sanguinea violacea or mixed. Price per pkt — $0.25

	Pkt.	oz.
Nana Compacta—Leopoldi, red, white eye	$0.25	$3.00
Fireball	.25	3.00
Snowball	.25	3.00
Atropurpurea, dark crimson	.25	3.00
Finest mixed	.25	3.00
Pyrethrum; Golden Feather	.20	.40
Salvia Splendens	.25	
Smilax, per lb., $4.00		.40

	Pkt.	oz.
Stocks, large flowering dwarf, white, apple blossom, carmine, purple, blood red, light blue or mixed	.25	
Giant Perfection, white	.25	

Sweet Peas Alba Magnifica, White — Per lb. $0.50

Borreatum, bronze — .50

Butterfly, pale gray, porcelain edge — .50

Countess Radnor, large lavender — .50

Emily Henderson, white — .50

Extra Early Blanche Ferry, white and pink — .50

Katherine Tracy, blush-pink — .50

Mrs. Sankey, best white — .50

Princess Beatrice, blush-pink — .50

Verbena Superb mammoth, mixed, from named varieties — Pkt. $0.25, oz. $1.50

ALLEN'S DEFIANCE MIGNONETTE, 25c. per pkt. $1.00 per oz.

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TRY US! TRY US! TRY US!

Florists' Supplies. Send to us—our line is complete.

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READY NOW

Send me your address on a postal and receive them regularly during the season.....

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NEW CARNATION, "Empress"

The largest bright-rich Crimson yet introduced. Price, $10.00 per 100.

Send for Price List of Standard Sorts

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Anybody .....can grow **Genesee** Carnation

NEW COMMERCIAL WHITE.

ORIGINATORS: HARMON & BURR, Darien, N. Y.

For prices, circulars, etc., address

DAN'L B. LONG, Sales Agent, BUFFALO.

WHY NOT GROW RUST-PROOF CARNATIONS

KATHLEEN PANTLIND

Is rust-proof and the most beautiful shade of light pink we know of. A vigorous grower. PRICE: $1.50 per doz., $10.00 per 100, $75.00 per 1000.

PREMIUMS: Five Red Wave to every hundred Kathleen Pantlind.

HOPP & LEMKE PAUL POST OFFICE E. GRAND RAPIDS, MICH.

GEO. A. RACKHAM, Detroit, Mich.

Wholesale grower of Carnations and Small Ferns.

Rooted Cuttings of Carnations:

New—Mayor Pingree, Victor and Flora Hill, per 100, $5.00, per 1000, $40.00; Jubilee and Emma Wocker, per 100, $3.00, per 1000, $25.00; Meteor and Tidal Wave, per 100, $2.00, per 1000, $15.00; Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50, per 1000, $12.00.

All well rooted. Satisfaction guaranteed or money refunded.

CARNATIONS.

From Flats. **FREEDOM,** best commercial white, $5.00 per 100. Daybreak, $2.00 per 100.

From Sand. **JAHNS SCARLET,** $5.00 per 100. C. A. Dana, $3.00 per 100. McGowan and Fisher, $1.00 per 100.

Special Rate by the 1,000. Write for Prices.

VERBENAS, 12 varieties, 75c per 100.

W. G. KRABER, 125 Florence St., New Bedford, Mass. (CASH WITH ORDER.)

NORTHAMPTON, MASS.

The annual meeting of the Northampton Horticultural Society was held on January 10. All officers were elected with the exception of secretary and treasurer, those to be elected at the next meeting. April 5 and 6 were selected for the spring exhibition, November 10 and 11 for the chrysanthemum exhibition. A committee was appointed to revise the premium list. Mr. Parks had a nice exhibit of very good Daybreak carnations, California violets and paper white narcissus. Mr. Macgregor showed some seedling carnations.

Trade since the holidays has been on the average rather dull, but carnations that have good flower and stems sell readily. The same may be said of flowering plants.

A visit to Mr. Parks shows that he is all right on carnations, especially Daybreak, Scott, Jubilee and McGowan. His cyclamens, primroses, cinerarias, palms and ferns all show the careful attention they have had.

DONALD MACGREGOR.

FALL RIVER, MASS.

Chatt. Warburton reports a "bang-up" holiday business, but fears a slump will now happen owing to the cut-down in the mills. Still he is pushing ahead optimistically. He has an excellent idea in running one house of Alaska disbudded for cutting and another not disbudded for piece work. Freedom is also an excellent variety with him. Flora Hill and Edith Foster are the quartette of whites. C. A. Dana is a splendid keeper and of good color, takes well and will be grown more extensively next season. Quite a number of the pretty Bermuda oxalis is grown; it sells freely. Mr. Warburton, Sr., was in Jamaica recently and is returning by way of the southern states. He is deeply interested in the culture of cotton and incidently that of bulbs.

George Smith is the proud owner of the first daffodils in town. They are in good demand. He cleaned right out at Christmas of a big stock, both plants and flowers.

W. M.

100,000 PALMS.

	Inch pot.	Inch high.	No. le'v's.	Each	Per 10.	Per 100.
Areca Lutescens	3	10-12	3-4	$0.12	$1 10	$10.00
Areca Lutescens	4	14-16	4-5	.30	2.75	25.00
Areca Rubra	3	10-12	3-4	.20	1.75	15.00
Corypha Australis	3	6-8	3-4	.12	1.10	10.00
Chamærops Excelsa	3	6-8	3-4	.12	1.10	10.00
Latania Borbonica $35.00 per 1000	2½	8-10	2-3	.05	.45	4.00
Latania Borbonica	3	10-12	3-4	.12	1.10	10.00
Phœnix Canariensis	3	6-12	2-3	.10	.90	8.00
Phœnix Canariensis	4	15-18	3-4	.22	2.00	20.00

For other varieties and sizes see wholesale list. Send for it.

W. J. HESSER, - Plattsmouth, Neb.

PALM GARDENS.

1000 Cane Plant Stakes 1000

NOW READY.

3 feet to 6 feet $2.00
6 feet to 10 feet 3.00

CASH WITH ORDER.

W. W. Hendrix, Bowling Green, Ky.

M. RICE & CO.

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FLORISTS' SUPPLIES

25 N. Fourth Street..PHILADELPHIA, PA.

FOR IMMEDIATE DELIVERY.....

Free on board cars, put up in paper lined barrels

100,000 Excelsior Dwarf Pearl Tuberoses

3-4 inch circumference, per bbl. of 1,500 ..... $5.00
4-6 inch circumference, No. 1, select, per 1,000 ..... 6.00
Extra Selected, per 1,000 ..... 6.50

C. H. JOOSTEN .. .. .. IMPORTER OF BULBS AND PLANTS

193 GREENWICH ST., NEW YORK.

CASH WITH ORDER.

The WM. H. MOON CO.

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Offer for Spring 1898, an immense stock of

DECIDUOUS TREES, EVERGREENS, FLOWERING SHRUBS and VINES

In great variety, of all sizes. We note especially

12,000 **Dahlias,** whole roots.
10,000 **Ampelopsis Veitchii.**
10,000 **Clematis Paniculata.**
20,000 **Wichuriana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama,** new climber.
5,000 **English Ivy,** long tops.
25,000 **Honeysuckles, Matrimony Vines, Wistarias,** etc.
100,000 **California Privet,** 1 and 2 years.

Trade List on application. Correspondence solicited.

Rooted Cuttings....

American Beauties, Brides, Maids, Perles, Belle Siebrect, Meteors.....

Write for prices to **GEO. A. KUHL,** PEKIN, ILL.

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Geraniums. October Struck.

2½ in. in best named varieties; in flats in best named varieties; rooted cuttings of Geraniums, Heliotrope, Salvia, Petunia, Coleus, etc., grown only on contract. Write for prices.

GEO. W. GASKILL,

212 N. TOD AVENUE, - WARREN, OHIO.



WE HAVE TO OFFER AT THIS TIME A LARGE STOCK OF
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POUGHKEEPSIE, N. Y.

Meeting of the Horticultural Society.

The annual meeting of the Dutchess County Horticultural Society for the election of officers was held at the courthouse on Wednesday afternoon, the 12th inst. The gentlemen who were honored with the offices are as follows: President, Mr. George Saltford; vice-president, Mr. Herman Asher; secretary, Mr. A. A. Laughren; treasurer, Mr. James Stran; assistant secretary, W. G. Saltford.

The secretary read his report, which was a rosy encouragement to the society. It stated, in brief, that during the past year the membership had been augmented by eighteen new members, making the total number of members 111. This is certainly a remarkable showing, considering the limited existence of the society. It also showed a surplus of several hundred dollars in the treasury. The past year ten meetings have been held, which were well attended, showing the amount of enthusiasm that existed.

Eight papers were read during the year opening many new points for discussion and giving much-needed information to its members.

The chrysanthemum show was voted a success in every way, and it is refreshing to know a similar exhibition will be given next fall. The proceedings of the society will be printed in pamphlet form and a copy mailed to each of its members. This is also to include the essays. A motion was made and carried that all manuscripts read before the society should afterwards become the property of the society.

Banquet.

In the evening the society's annual banquet was given in the Nelson House, which about fifty members enjoyed. It was generally conceded the happiest evening in their lives. Speeches were made by Patrick O'Mara, Richard E. Connell, John I. Platt, F. L. Atkins, Wm. Haubermistel, Clarence Reynolds, and others. Mr. MacPherson, Mr. Good, and others sang selections which pleased the whole company. F. L. A.

NEW HAVEN, CONN.

Smith T. Bradley reports fully twice the amount of business during the holidays to former years. His latest innovations are an electric sign and a handsome delivery wagon.

S. H. Moore has been too busy to make comparisons, but believes this season eclipses all previous ones. Flowering plants sold well.

R. Veitch & Son have issued an attractive seed catalogue and anticipate a good demand, as usual.

Jno. Champion is having success with the western carnation Outcast, which no doubt will improve upon further trial. His grower, F. K. Burfitt, thinks well of it.

W. J. Rowe is very successful with the Farquhar violet. He grows Marie Louise also but it does not do nearly so well. He intends discarding the California another season. W. M.

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SALEM, MASS.

Boreas was very unkind, but was defied with extra packing, so that the losses by freezing was small. Messrs. McGee & Geary had a tiptop holiday trade and a continuation ever since, which is gratifying. Mr. Geary has so changed since his picture was taken that his own brother hardly recognized him. Hallahan has found his double in Smith Bradley, of New Haven; didn't know he had one before.

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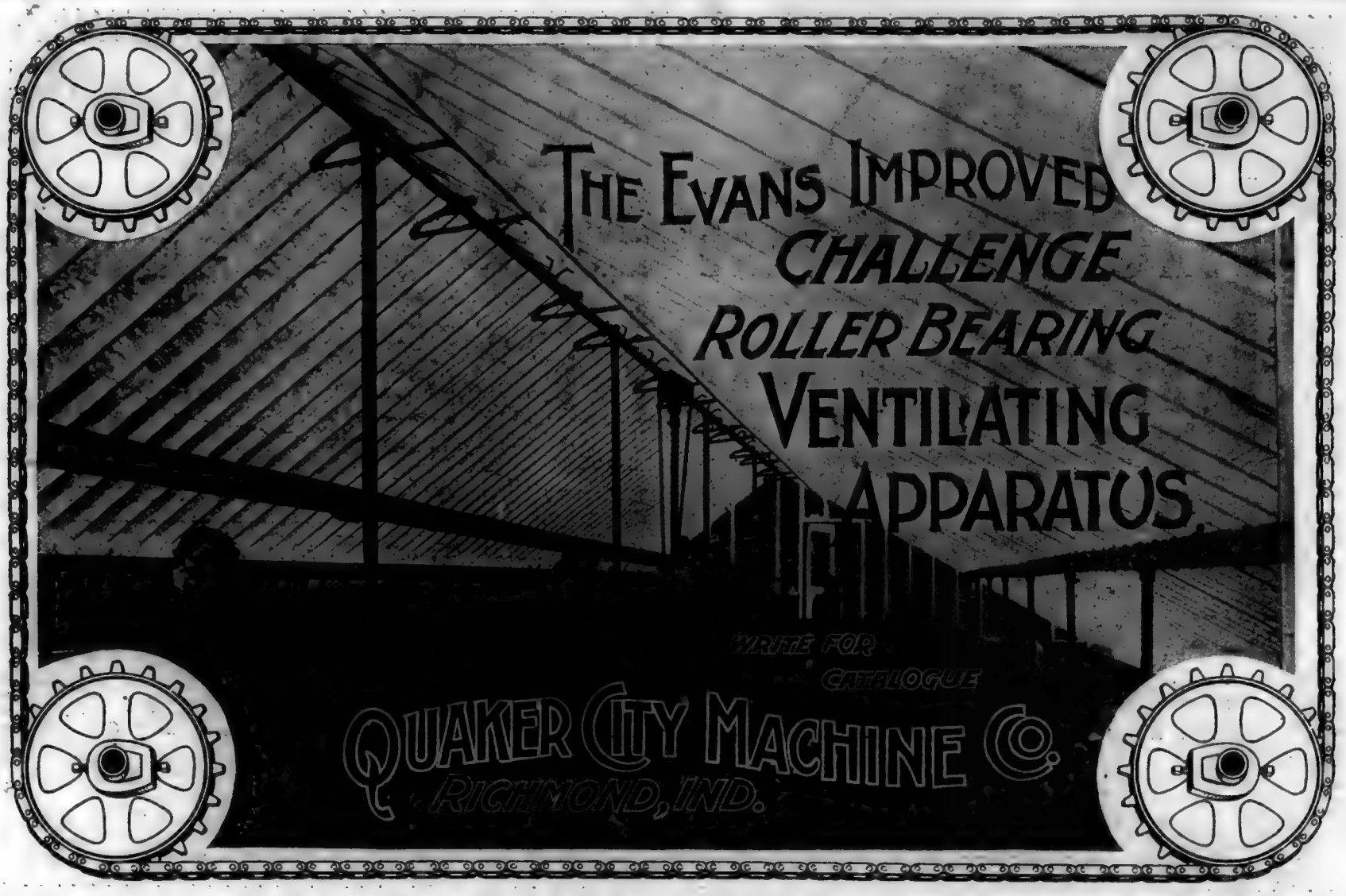
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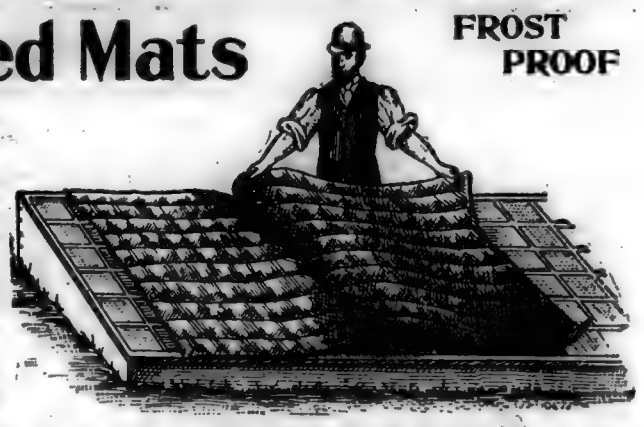


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FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. 1. CHICAGO AND NEW YORK, JANUARY 27, 1898. No. 9.



Bed of Penstemons.

PENTSTEMONS—ALTERNANTHERAS.

In the foreground of the accompanying engraving appears a bed of Pentstemon campanulatus bordered with Alternanthera latifolia aurea, as seen at Lincoln Park, Chicago, last summer.

The pentstemons can be raised from seed, but Head-Gardner Stromback propagates them by cuttings. The cuttings are taken from bedded plants in the latter part of September, and placed in sand on the bench, without bottom heat. They root in about three weeks, and are then potted in 2½ inch pots, in which they are kept over winter in a house with a temperature of 45 degrees, water being given sparingly, as with all plants kept in so low a temperature.

In January the plants are shifted to 3 inch pots and remain in these till bedded out. The plants are placed

about a foot apart in the bed. They bush out from the bottom and soon fill up the intervening space. When the plants are in 2½ inch pots an occasional one may send up a straight shoot, and in such case the tip is taken out, but no other pinching is required. The plants bloom well all summer and are excellent where variety or a change is wanted.

The bed is bordered with Alternanthera latifolia aurea. It is a taller grower than Alternanthera aurea nana, growing about 8 inches high, but colors up quicker and holds the color much better than the last named variety, which has been practically discarded by Mr. Stromback on account of its failure to color well. A. latifolia aurea has a slight rose color mixed with the yellow in the top leaves which brightens its decorative effect. It is propagated from cuttings taken about the middle of August from bedded plants and carried over winter in the same way as Alternanthera paronychioides. The latter variety has also been discarded by Mr. Stromback for failure to color up till late in the season. He has substituted Alternanthera rosea, which colors early and holds color well through the summer. With him both aurea nana and paronychioides have been growing less and less satisfactory for years, and he has now discarded them altogether, though their dwarf habit made them very useful in carpet bedding. A. rosea is propagated in the same way as its predecessor.

Back of the bed of pentstemons is seen a bed of the yellow coleus Peter Henderson, with plants of Celosia cristata nana scattered through them, the whole having a border of Cineraria maritima candidissima. The culture of the celosias is about the same as that of Vincas alba and rosea, previously described. The cinerarias are grown from seed sown in February or early March, and the after treatment is about the same as for pansies. When large enough, the heart is pinched out to make the plant bushy. They are kept in 2½ inch pots till time to bed out and are then planted about eight inches apart.

On the terrace is seen a bed of Florence Vaughan cannas, with a border of crimson zinnias. The zinnias make a very good border and are good for variety's sake. Side of the steps is a short row of Berberis Thunbergii. The vases on the steps are filled with geraniums, vincas, maurandyas and tropaeolums, with a Dracaena indivisa in the center.



VANDA COERULEA.

The Blue Orchid.

This is one of the most handsome and remarkably distinct species of the genus, and when you consider how easily it is grown, and the fact that it has been in cultivation for more than sixty years, it is surprising that it is not oftener met with. I understand that any or all of this species that finds it way into the hands of the florist is readily sold at a good figure, and the blue orchid is invariably asked for. Although this beautiful plant in indigenous to tropical India, it requires comparatively cool treatment, as it is found in its native haunts at an elevation of from 3,000 to 4,000 feet, and when I describe the conditions under which it exists you may perhaps hit upon the right mode of artificial treatment.

It is found growing upon tall trees, fully exposed to the sun and the full force of the elements at the above mentioned elevation on the Khasia hills, Bengal. The Khasia hills are situated about 200 miles from the Bay of Bengal, rising very abruptly to a great height almost from the sea level, and it is here that the heaviest annual fall of rain in any known part of the world is registered. It generally averages 600 inches, not because it is always raining, as there are months when there is not a cloud visible or a drop of rain falls, but the monsoons, peculiar to that country, attend to the irrigation of plants that perhaps would otherwise suffer or become extinct through lack of moisture.

In the intervening space between the hills and the bay is a vast low, inhospitable region of jungle swamps and marshes. Consequently there is a continuous evaporation, to which may be attributed the almost incessant growth of the vegetation in the vicinity of those mountains. It is when the monsoon springs up from the southwest, charged with the vapor taken up from those swamps and a vast expanse of ocean, that those beauties referred to get a thorough sprinkle, although not always in the most tender fashion.

To be successful with this lovely vanda you must grow it in baskets, which may be suspended from the roof, where they will be greatly benefited by the best air currents available, and as already explained, they require but little shade. Give abundance of water when in active growth, with the addition of a little weak stimulant after you see the flower spike; and you can improve upon nature by removing the plants to a cooler and drier atmosphere just before the flowers expand. If handled in this manner the flowers will retain their beauty for six weeks. During the resting period, which is after they have flowered, they must be watered very carefully and should not be dried off. Keep them in a temperature of 50 degrees, and remember that too much water in this stage is liable to blemish the foliage, when the inexperienced would be very liable to think that some dreadful blight had struck them. However, any one that will exercise a little forethought may obtain good results. J. Robertson.

A FEW ORCHID GEMS.

Some lovely flowers are before me, kindly sent by Mr. H. Clinkaberry from the superb collection under his charge. A peerless, spotless gem is a flower of Cattleya Trianae alba, fine in size and proportions, as white as the snow without, saving the characteristic yellow blotch seen in all albinos, guiding lines, as it were, to attract insects and mark the way to the flowers' secretive parts.

Another albino is seen in Laelia anceps alba, an exquisite flower, delightfully odorous. Laelia anceps Dawsoni, the "Simon-pure," as the sender remarks, is a great beauty, pure white in sepals and petals, but with a lip showing wonderful pencilings of color, purple lines radiating upwards and branching out, but leaving a broad unspotted margin of white around the two lateral lobes. The expanded portion of the lips, which forms the front lobe, is tipped with rich, rosy purple, narrowly margined with white and having the characteristic yellow crest in front of the column.

Phalaenopsis Brymeriana, a variety of intermedia, is a dainty little flower, sepals and petals white, but flushed with rosy lilac from their base towards the center, the lip three-lobed, the lateral lobes erect, overlapping the column, the front lobe heart-shaped, of an amethyst hue in varying tones, according as the light falls upon it.

A flower of Cypripedium Prewetti is truly giant, its dorsal sepal nearly three inches deep and the same in width, lined and spotted in dark purple brown, overlying a yellow green ground, broadly tipped with white. The petals are three inches in length, one and one-half in width in their broad-



Group of Vanda Coerulea.

est part; have a well defined medium line of dark purple and suffusions of a lighter tint. The pouch is two and one-half inches in length, broad and blunt, tending to coarseness, as it lacks finish. It is like comparing the wooden sabot with the finished shoe of today. The parents of this giant were Harrisianum and villosum, but good examples of either are dwarfed in comparison of this one of their offspring.

A. Herrington.

Madison, N. J.

CYPRIPEDIUM LEUCOCHILUM GODSEFFIANUM.

It may be that from a botanical view this variety resembles the typical C. Godefroyae. Its superiority is, however, so absolute, the coloring so perfect, while the size is simply colossal, that Mr. R. H. Measures, the fortunate possessor, has described this wonderful form under the varietal name of C. leucochilum Godseffianum, and has refused $5,000 for the plant, preferring to keep and increase it in his collection at Streatham, England.

The blossoms measure four and one-half inches across, are beautifully proportionate, the coloring leaving nothing to be desired. The shell-shaped dorsal sepal is a soft creamy white, heavily splashed with purple-red and maroon; the lower sepals repeat these colors, while the petals are white at the base, with a cream shading, profusely studded with deep maroon. The giant labellum is of a pure shining ivory white on the exterior, the interior being spotted with purple. The staminode is similarly marked with a central shade of bright yellow.

A flower of this exquisite and most valuable orchid figured prominently in the Royal Diamond Jubilee bouquet presented to the queen by Messrs. F. Sander & Co. For size and beauty it undoubtedly has no equal. The clear purity of color, one of the greatest charms in the original, has very much deteriorated in our figure.

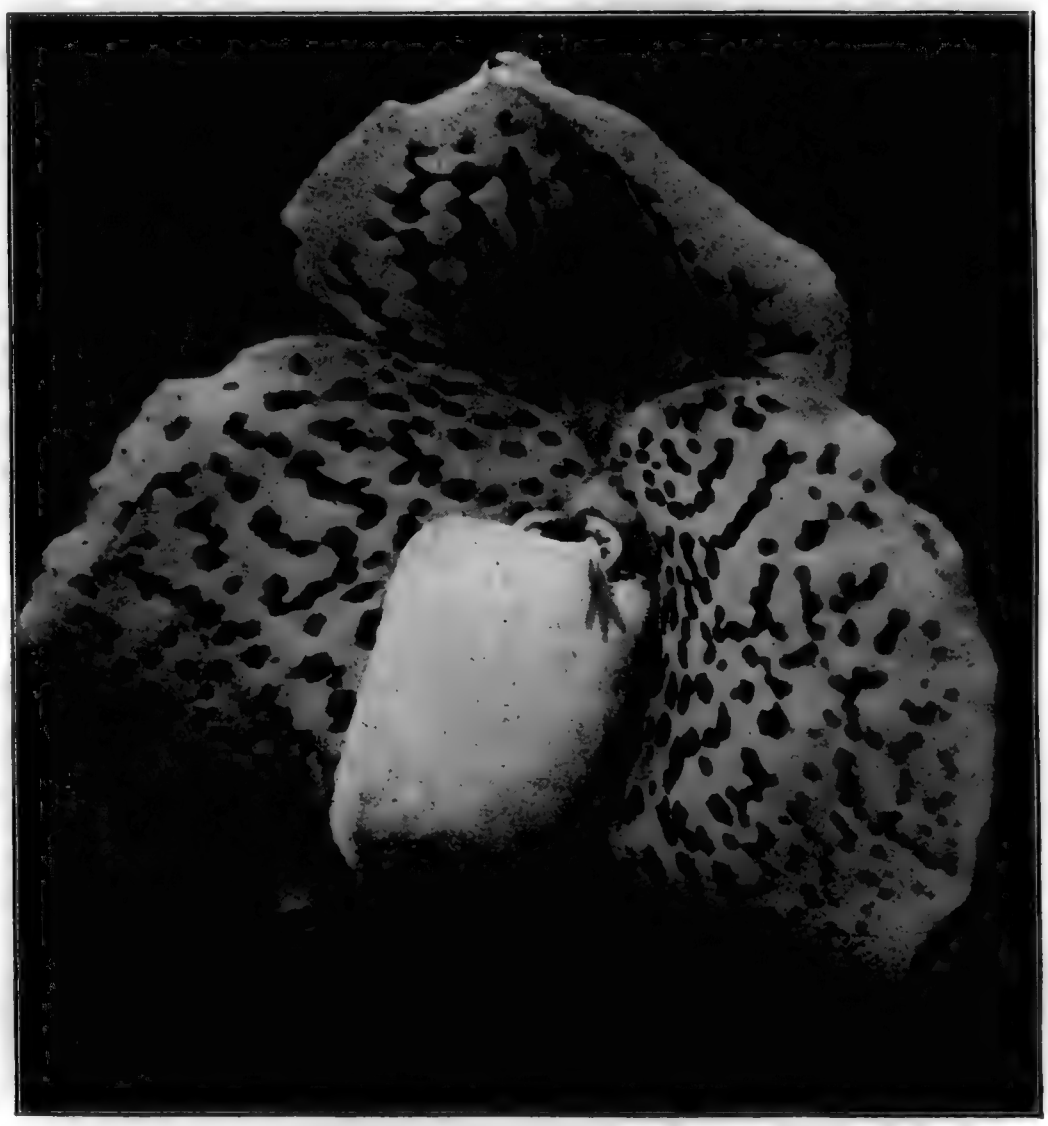
A. Dimmock.

AZALEAS FOR CRISTMAS.

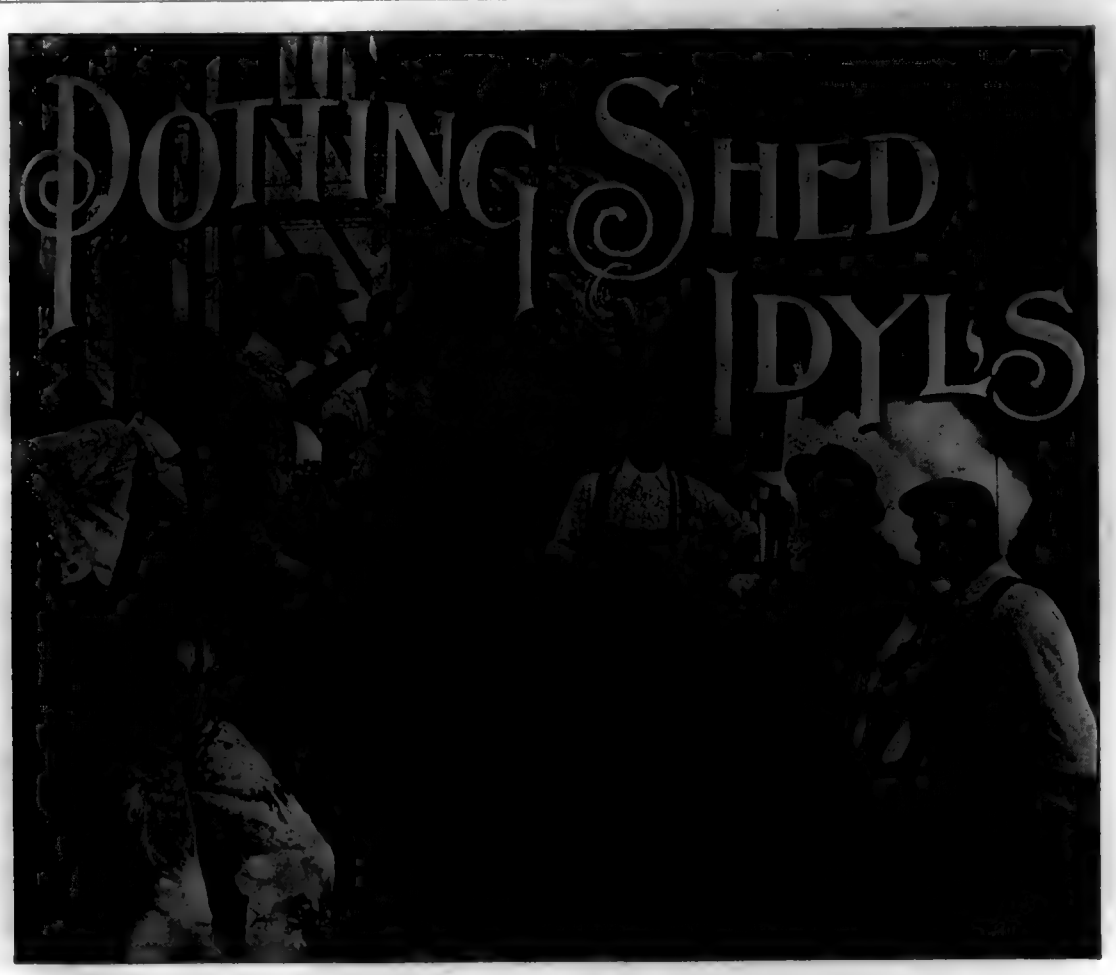
Mr. August Jurgens, Chicago, finds Vervaeneana, Mme. Van der Cruyssen and Simon Mardner the best sellers at Christmas, and would confine his stock for holiday sales to these three varieties if he could. He confines his orders to these three sorts, but the Belgian growers always work in other varieties. The Belgians who seek American trade should propagate more largely the three varieties noted.

Deutsche Perle is all right, but white-flowered plants are little wanted at the holidays.

Mr. Jurgens would strongly recommend the variety President Adolph d'Haene, if it were not so difficult to obtain. It is a fine double flower, of a deeper red than Van der Cruyssen, and the blooms last well. The Belgian growers would do well to grow this variety largely for the American trade.



Cypripedium Leucochilum Godseffianum.



A TEMPORARY ECLIPSE.

The place at Lonesomehurst wore a subdued and melancholy air; its gayety was under eclipse. The joyous Jaggs, who grew restive after the Christmas rush, had wandered away without formal leavetaking, and under circumstances which rather clouded his popularity. The boss had taken a contract to pot up and generally set in order a lot of demoralized orchids belonging to a near-by amateur, and as Jaggs possessed more knowledge on the subject than anyone else on the place, he was sent over to attend to the work. Then, in an evil hour, the boss went to a town in an adjoining state, to make an estimate on some planting. Jaggs finished the orchids, collected the money for the work from the amateur who was much taken by his profound knowledge and agreeable manners, then went back to Lonesomehurst and collected his week's wages from "the missis." Then, after borrowing from the Scotch propagator the Sunday suit which that worthy described as his "blacks," Jaggs departed. Hunting up the absent boss, Jaggs described his regret at leaving Lonesomehurst, and asked for his week's wages and a trifling advance until he should return from the pressing business which now called him away. He received the wages, but not the advance. However, having thoughtfully annexed a couple of budding knives and a stray thermometer or two, by way of souvenirs, he was able to go on his way rejoicing. When the "old man" got back to Lonesomehurst and discovered the way in which the deceptive Jaggs had levied contributions, his state of mind was worthy of deep commiseration. He didn't say very much, but what he did say upon the subject was put in italics, and whenever Jaggs was mentioned among the men, Tommy Atkins always suggested the propriety of removing Marmaduke, the parrot, "in case as the boss might 'appen to be sayin' w'at 'e think about Jagg's prospects."

It was a few weeks after the disappearance of Jaggs that Tommy got a brief leave of absence, which he occupied in visiting a friend who was deck-steward on an Atlantic liner. Tommy's return from one of these excursions was always looked for with some excitement by the potting-shed coterie. He always brought with him a choice collection of the newest trans-Atlantic anecdotes and music-hall songs, to say nothing of more material cheer. The men were seated in their usual places on the various boxes and barrels that formed the potting-shed divans, smoking their after-supper pipes in silent meditation, when the wanderer burst in. Everyone brightened up; even the horticultural graduate forgot his dignity, and rushed forward with the rest. Tommy beamed affably at his audience, remarking: "'Ere, ketch 'old o' that some o' you chaps, till I gets my coat hoff," at the same time handing two or three packages to Davie. "Steam all right, Jimmy? Maybe we've got a bit o' use for them steam-pipes," and he winked affably at the graduate, while he continued to search through his overcoat pockets.

"Whaur ye been linkin' round this time, Tommy?" inquired Davie, dexterously catching a bundle of Greenock papers which Tommy unearthed from his capacious pockets.

"Oh, just visitin' a few o' the chaps aboard the Carpathic. Yer know as I took a few runs myself; that was after I go across in one o' they cattle steamers."

"What was you doin' on a cattle steamer?" inquired the night fireman.

"Just chaperonin' a deck load o' steers," observed Tommy, indifferently.

"'And us over that there brown paper parcel, and we'll get supper agoin' while I tell you a thing or two," and Tommy began slowly to peel off numerous wrappings. The object of his solicitude was finally revealed as a large round mass tightly clad in a dingy cloth, tied up with string. The horticultural graduate, whose youth had passed in an environment of pumpkin pie, gazed at it with some suspicion, but the others recognized the familiar contour, and Tommy continued:

"Yes, that's a real imported Christmas puddin', same as we used to get at 'ome, and it didn't pay no bloomin' Dingley hadd vollerum, neither. We'll set it on the pipes, while we 'as a start on the menoo."

By the time the pudding had been dissected with a budding-knife, and dished out on an array of orchid blocks Tommy was ready to give a joyous version of his holiday adventures.

"You chaps 'll never guess who I see—Jaggs! and 'e's been and gone into the mermaid business—anything fishy is right in 'is line."

There was an astonished pause, while Tommy dexterously harpooned a large slab of mahogany colored pudding upon the tip of his knife. "Me and Johnson," he continued, "takes a stroll down by the Brooklyn bridge to see a bird-stuffin' chap as was mountin' a lot of parrots for one o' the stewards on a Red D. steamer. First thing we see, when we open the door, was a stuffed leopard grinnin' like a Cheshire cat, and the next thing was Jaggs, talkin' to a chap as wore a necktie like a colored supplement, with a regular headlight for a scarf-pin. Jaggs smiled pleasantly, and 'e says, 'Glad as you 'appeaned in. What do you think the right finish for a mermaid—dull surface or shellac?' Me and Johnson nearly falls down; we wasn't neither of us so chummy with mermaids as to know just 'ow they sets off their complexions. The other chap says as 'e never see a mermaid yet as wasn't shellacked, then 'e get out."

"Well, I guess a fellow would be just as likely to see a mermaid without shellac as with it, seeing there's no such thing," observed the graduate, with scorn.

"Say, Johnny, was you born ignorant, or did you just acquire it?" asked Tommy, sweetly. "You see, the bird-stuffin' chap made mermaids and all them natural curiosities for the museum trade; 'e 'ears Jaggs tell about the beasts as 'e see horchid collectin', and thinks as 'e know a thing or two. Jaggs was thinkin' o' takin' a job as 'orticultural reporter on one o' they Sunday newspapers, but 'e say as they



Simple Floral Arrangements. No. 2.

exaggerates so much as 'e can't abide 'em."

Tommy paused to throw his orchid block plate over to the night fireman as an intimation that supper was over, and after filling a stubby briar pipe, he continued his narrative.

"Jaggs thought as 'e might run a lot o' new ideas into the curiosity business. You see them mermaids is mostly papier mache, with real fishes for their tails. Jaggs thinks as a mermaid with 'air like a Circassian girl would be a real novelty, bound to make a hit with all them Reubens at the country fairs. 'E show me a flyin' dragon of the Hindian ocean; looks like a halligator with bat's wings, seal's flippers and walrus tusks. Blest if 'e wasn't like one o' them bloomin' beasts as they put in a coat of arms. 'Is backbone stood up in ridges, which Jaggs says was doorknobs. Jaggs said as 'e did 'ave a notion o' buildin' one o' they fish-lizard-bird things as them bloomin' scientists gets up, give it a good name, and say as it was caught out on the Jersey meadows. But the showmen say as it wouldn't be realistic enough."

"Jaggs ought to go into the show business himself," suggested one of the men.

"Couldn't get 'im to stay away from the pottin'-shed," said Tommy. "Next thing you'll hear of 'im 'e'll be back again in the good old trade."

Tommy's prophecy was correct; Jaggs spent but a few months in providing genuine novelties for the show business, and was next heard of under glass, but that, as Mr. Kipling often observes, is another story.

SIMPLE FLORAL ARRANGEMENTS.

The Flat Cluster.

In the arrangement of flowers, as in painting a picture, simplicity is an element of beauty, and one too often disregarded by painters and florists. In this locality, and I presume everywhere, those who buy flowers select more and more of the simple and natural forms of using them; the cut flowers, tastefully placed in a suitable package, or the loose "bunch" held together by a neat bow of ribbon, and fewer of the mechanical and formal designs.

Some of the latter will probably always be required for special purposes; many lodges, and other public societies, firemen, military companies and those who think it necessary to display an inscription or motto on their offering, must be accommodated. But the floral locomotive, or straw cutter, or sausage stuffer, should be allowed to rest in peace without regrets by the "floral artist."

Thirty years ago flower buyers wanted bouquets, and florists seemed to think it was necessary that they should have them. Tons of good wire and indifferent foil were used in their construction, and they were not considered complete until they were supplied with a stiff collar of lace paper under their chins for a finishing touch. And indeed these same cartons were often a very good thing if the work was not skillfully done, as they held the heterogeneous mass together. Generally, the greater the assortment of flowers that could be packed in these stiff and clumsy affairs, the better the customer was pleased. But gradually and slowly a change came, sometimes brought about by the florist, sometimes by his patrons, sometimes with contributions from both sides of the counter, until, from the fearfully constructed bouquet of the olden times, has been evolved the graceful form of the present, the loose and flowing fascicle of flowers, usually all of one kind, with its appropriate garnishing of greenery, as it comes from the deft fingers of the tasteful florist, still often overdone, overlarge, and overberibboned by the less tasteful members of the craft, perhaps at the command of some purse-laden client.

The illustration shows one of the simple forms of the small flat cluster, so much used now for funeral flowers, and will scarcely need an interpreter. A rather stiff background of some suitable green, such as rose foliage for roses, Dicksonia fronds, certain kinds of palm leaves, or long sprays of Asparagus plumosus, is first made as a foundation upon which the flowers are arranged, according to the taste or skill of the maker, using the longest stemmed first and avoid crowding. They are securely fastened with a strand of Raffia, over which a bow of ribbon is tied, care being taken first to remove the moisture from the stems of the flowers. We use only the best quality of silk ribbon, and like it rather stiff, as the bow then keeps in shape better. White, cream-white, delicate pink, purple and lavender are the colors mostly needed, and in widths from No. 9 to No. 22, No. 12 being used most often. A pretty effect may be produced by occasionally using a very narrow ribbon, doubling it together several times, making a bow, and cutting through the doubles at the ends. The material in a cluster such as is shown should be worth $3 or $3.50, including 50 cents for two yards of No. 12 satin ribbon.

Other clusters will perhaps be illustrated, showing different material and arrangement, and more finish about the stems of the flowers where tied.

W. T. Bell.

Franklin, Pa.

EXTRA EARLY ASTERS.

To any florist wishing an extra early lot of asters I would recommend the following plan of culture:

Prepare your soil carefully, have it well screened and as light in character as you dare. Fill 3-inch pots by forcing the pots into the heap and level

with the hand. Into each pot drop two or three seeds, the number depending on vitality test of same. Have the pots standing level and cover seed by screening a light soil (preferably two-thirds coarse sand to one-third loam), carefully over them, after which press lightly with bottom of an empty flower pot.

Water sparingly with lukewarm water, and at no stage ever allow them to become dry. Set on a bench well up to the glass and keep carefully shaded from the sun's hottest rays till seedlings show second leaf. When second leaf is well developed select the strongest plant and after a good watering pull out the others. If care is taken the remaining plant will be scarcely disturbed, and those pulled out can be potted or pricked out with but slight loss.

Let the plants stand close and allow the plants to be drawn. The bottom leaves may turn yellow and drop, but that is wanted. This gives a stem, which allows the plant to be set deeper than can be done otherwise.

When about four or five inches high, which they will be before planting time if sown now, pick out the center. The plants will then throw the side branches well toward the bottom and will form a strong, shapely plant that in most cases will not need support nor require further disbudding. The flowers will be uniform in size and stem, and will open in quick succession—in fact, will be nearly together.

In regard to preparation of soil in the field, I will offer no suggestions, as each grower knows his own soil best, but as to culture would say: Do not water if you cannot soak them, and, weeds or not, cultivate them regularly, that the ground may as near as possible be at all times light and loose on top. Retlaw.

NEW STORE OF L. L. MAY & CO., ST. PAUL.

The accompanying illustration shows interior views of the new store and conservatory in connection recently opened by L. L. May & Co., at 64 East Sixth street, St. Paul.

The store proper is 25 feet wide by 80 in depth, fitted up in the latest style. The refrigerator is 4x18 feet in dimensions, with beveled mirrors and beveled plate glass doors. Back of the store and leading to the conservatory is a reception room, 20x20 feet, with divans, settees, etc., for visitors.

The conservatory is 50x50 in size, with the dome in the center of the roof rising to a height of 28 feet. Directly beneath the dome a fountain throws water up to the electric chandelier, while the lower basin is filled with goldfish. Canary birds are scattered about the conservatory and fill the place with their sweet music.

The benches, as will be seen in the illustration, are of different shapes and sizes, arranged about the fountain as a center. They are raised about 18 inches from the floor, and the arrangement of plants is varied each week, the idea being to have something new each week or oftener. The view herewith presented was obtained the week before Christmas, azaleas and primroses being the predominant flowering plants, with palms, ferns, begonias, etc., for a background. At present the display consists of cinerarias and cyclamens, palms, ferns, etc.

The wholesale seed department and



View of Store. Ice Box at the Right.



Reception Room at entrance to Conservatory.

THE NEW STORE OF L. L. MAY & CO., ST. PAUL.



View of Conservatory from the store.



In the Conservatory.

THE NEW STORE OF L. L. MAY & CO., ST. PAUL.

general offices are located on the Minnesota street side of the building, entrance to same being had through the conservatory, the conservatory being the connecting link to the two wings of the building.

S. D. Dysinger.

DAPHNES.

These are Chinese and Japanese plants of easy culture, though comparatively slow growing. Daphne indica has long been highly esteemed for its delicious fragrance, and there are few European gardens where a collection of plants is grown but have some of it. Its name is suggestive of Indian origin, but it comes from China and thrives admirably in the temperature of an ordinary greenhouse. Although its flowers are not large and showy, it would find popular favor by reason of its fragrance, one little plant in flower being sufficient to scent a room with an odor that would please the most fastidious, as though powerful, it is not oppressive. In the rank of sweet scented flowers I would place it next to the rose and in any decoration where plants are largely used a few of this daphne interspersed would help immensely to give satisfaction, and would further elicit many inquiries as to the source of the exquisite perfume that would pervade the air.

Daphne indica is a dwarf growing evergreen bush, and is not a plant to recommend to the ordinary grower who has one course of treatment for all things, but the man who endeavors to familiarize himself with the needs and peculiarities of the plants he is growing may take hold of this daphne with the prospect of meeting with success in its cultivation. Heaths are not grown so easily as geraniums, but already we have seen evidence here that good plant growers can grow marketable stock. The daphne comes into this category of plants and wants similar careful handling in the matter of potting and watering. By nature a sparse rooting subject, overpotting is the main thing to avoid, for if overpotted and soaked with water the few roots it has will speedily be lost. I have seen plants grown on into fine specimens occupying pots 12 and 14 inches in diameter and kept healthy and floriferous for years by some of the past masters in the art of specimen growing, but the object of these notes is to recommend it to the trade, and it would naturally find the best market in pots of smaller sizes—from 4½ to 8 inches in diameter.

It used to be a general practice to graft Daphne indica upon small stocks of Daphne Mezereum, this last being a common plant in the woods of northern Europe, but this stock is not procurable here and is utterly needless, as Daphne indica can be rooted from cuttings and does just as well upon its own roots. Cuttings are taken from the tips of the shoots and should be made about three inches in length, stripping off a few of the lower leaves. A good time to propagate it is in the late summer or early fall days. Insert the cuttings in sand, in pots or pans, and place these in a frame on the north side of a house or some other cool, shaded spot, keeping them close and moist until on examination a callus is found to have formed at the base of the cutting. They cannot be hastened in this, and there must be no attempt to do so, but just as soon as well callused an increase in the temperature facilitates rooting, so they may be removed to a house where a night temperature of 50 degrees can be maintained, still,

however, keeping them moist, shaded and fairly close until root growth is fairly manifest, when more airy conditions may be given.

Early in the year they should be ready for potting off singly into 2½ inch pots, using a compost of light, open character made by mixing some fine peat or thoroughly decayed leaf mould with the loam in the proportion of one to four, and a little well-rotted manure may be added. When they have made two or three inches of growth the points of the shoots should be pinched out to induce them to make nice, compact bushes. As soon as they break again, after the pinching, they should be ready for a shift into 4½-inch pots, and from these latter they may go into 6-inch pots. Syringing overhead is always beneficial throughout the growing period, but it must never be to cause excess of moisture at the root.

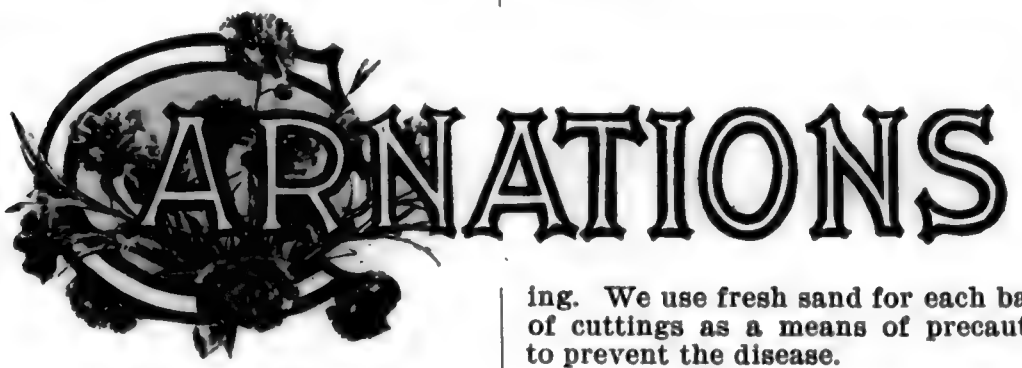
By the latter part of the fall they should be neat, bushy plants, each shoot having set its flower buds at the tip after the manner of an azalea. They may now have azalea treatment, in fact, plants introduced into more heat will soon come into flower, while others kept cool may be retarded so you can have them for Christmas or Easter. The flowers coming in close heads or clusters, if it is desirable to cut them the shoot must be cut as well, but it may be noted that there are auxillary growth buds at the base of the leaves that will break out again. I think, however, this daphne would find most favor to sell as a pot plant.

Two hardy species only occasionally seen in cultivation would soon find favor, too, if offered in pots to appreciative patrons, especially D. Genkwa, a deciduous species from Japan, where it is much prized. I find it hardy here, and in a neighboring garden a group of it is one of the features of the place quite early in the spring. The flowers are of a light violet blue, disposed in clusters all along the shoots, and look like the Persian lilac in miniature. Stock of this could be raised by layering the shoots of a plant in the open ground. A batch of plants established in pots or tubs would furnish useful material for cutting, and with proper cultural attention they might be kept for years, as there would be ample time for the plants to grow and ripen flowering shoots after they had been denuded by cutting the shoots off the previous season's growth. The flowers come in advance of the leaves, and are delightfully sweet scented.

D. Cneorum is another sweet kind, never exceeding a foot high, but spreading out into broad masses in course of years. It flowers profusely in spring, and a little again in the fall, its flowers being a bright rose pink color and disposed in compact clusters terminating the shoots. It can be increased by division, as also from cuttings. Plants carefully lifted from the open ground, potted up and brought on with gentle warmth might be had in blossom at any time during winter.

A. Herrington.

Madison, N. J.



VENTILATION.

In reading over my last notes I find that I forgot to mention ventilation. We ventilate freely in our propagating house, and to a large extent regulate temperature with the ventilator. But there one has to be careful, for a draft through the house will cause more wilting than a rise above the temperature it is desired to regularly maintain. Further, it is important to observe the greatest cleanliness in the sand, in the walks and under the benches. Nothing should be left lying around to decay, for we must never forget that the condition of the cuttings, the condition in which the house is kept are important factors in the development of fungous diseases. If that dread disease, cutting bench fungus, appears, the affected cuttings, together with the sand, should be removed from the house at once, in order to prevent the disease from spreading. We use fresh sand for each batch of cuttings as a means of precaution to prevent the disease.

Rooted Cuttings.

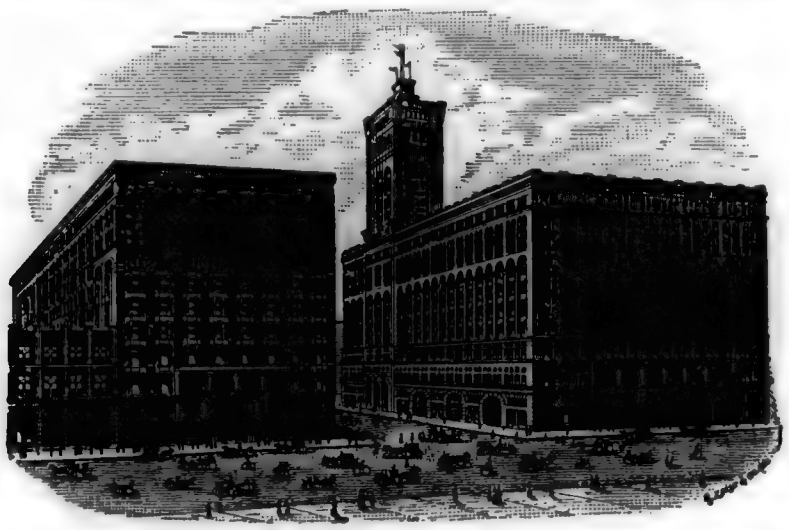
As I said before, as soon as the cuttings are rooted they should be planted in soil. Any delay in this respect will cause the roots to become hard, and the young plants pass into a stage of inaction, from which it often takes considerable time to arouse them. We had occasion to notice this in a lot of rooted cuttings we received, that were planted in small pots. Part of them were kept too long in the sand, and had a good bunch of roots, but were yellow and hard. The others were rather too young to ship, for with a somewhat careless packing the young, soft roots were nearly all broken off; at a casual glance one would have thought they were never rooted. But these younger, softer cuttings with the broken roots filled the pots with a new growth sooner than the uninjured but older ones, and kept in advance of them in their future growing. When cuttings are grown for shipping they should attain a degree of hardness in order to stand the packing and to save the young, brittle roots from breaking. When intended for flats or pots, the younger and softer the roots the better, when handled by a careful person.

Types in Carnations.

Among carnations we can observe different types as regards their habit of growth and as to the form of the flowers. To make a classification is nearly impossible, as we find the habit of growth and the form of bloom intermixed. The most desirable habit of growth is the one that is slightly spreading, so that it cannot be called compact. The strong branches standing firm, clothed with medium to heavy foliage, assuming a nearly upright growth, but leaving space enough between for the air to circulate, is the type which generally has the strongest flower stems, and I will mention Mme. Diaz Albertini as an example. They are easily managed and kept in a healthy condition. The possible free circulation of air through the branches causes the plant to dry out faster when wet. This is still more pronounced in the extreme type of the spreading habit, as in Daybreak and intermediate varieties, such as Wm. Scott, when properly supported. The reverse of this is the short bushy growth of which Jubilee is a good representative. They have very short branches, are of more compact growth and nearer the ground. They are the nearest approach to the original garden or hardy carnation, from which our present varieties have sprung.

None of the different forms or size of bloom are to be found in any one type; neither is fragrance, strong or weak flower stem, sound or bursting calyx, shy or free blooming qualities. But it indicates much how they produce their blooms as to time, whether they come in crops or whether their time of blooming is evenly distributed over the whole season, being in the latter case continuous bloomers. The closer the type resembles the original or garden carnation, with its one crop lasting only a short time, the oftener we find the cropper, as for example, Bridesmaid. While on the other hand, the more spreading habit represents the continuous bloomer, like Wm. Scott. Most of those which we call continuous bloomers come also in crops, but their crops are so extended in time, the period of the going out and coming in of the new crop being so closely linked together that is is scarcely perceptible, but it is very noticeable in the quality of the flowers. The only variety coming to my notice that absolutely does not show any cropping, that furnishes an even quality and quantity of blooms during the whole season, is Mrs. Geo. M. Bradt.

Now as to the value of these different types to the grower, the quality and the quantity of the blooms will decide their value. A cropper is only of value to the grower situated near a



Auditorium Hotel, Chicago, where the convention and exhibition of the American Carnation Society will be held February 17 and 18. The building at the right is the main hotel. The one at the left is the Annex. The two are connected by a marble lined tunnel under the street.

suitable market. The continuous bloomer is valued by every grower. A cropper in the hands of a grower situated near a large market is profitable when the quality is high grade, for such flowers will always find sale. It does not matter much whether the same quantity of flowers can be grown, marketed and sold during a period of two months or six. And when it can be managed so that the crop will come in for Christmas or Easter, as has been done with Bridesmaid and other varieties, profits will swell considerably.

Quite different it is with a grower situated in or near a small city, who retails his flowers and depends on a regular supply. At one time he will have more flowers than he can sell, part necessarily going to waste, or obliged to be sold very cheap, and at other times he has to buy his flowers. For him are the continuous bloomers the only profitable varieties. In my next I will give my opinion regarding the new varieties of the past season.

Fred Dorner.

AMERICAN CARNATION SCCIETY

Officers.

Pres., W. N. Rudd, Mt. Greenwood, Ill.; Vice-Pres., Fred. Dorner, Jr., Lafayette, Ind.; Sec., Albert M. Herr, Lancaster, Pa.; Treas., Chas. H. Allen, Floral Park, N. Y. Executive Committee: The above and Wm. Scott, Buffalo, N. Y.; Eugene Dailledouze, Flatbush, N. Y.; W. R. Shelmire, Avondale, Pa.

Seventh Annual Meeting.

The seventh annual meeting will be held at Chicago, Thursday and Friday, February 17 and 18. Headquarters will be at the Auditorium Hotel, where the meetings and exhibition will be held. A special rate of $3 a day on the American plan and $1.50 on the European plan, has been secured from this hotel, which is the finest in Chicago. Rooms may be secured in advance by addressing the chairman of the local committee, Mr. P. J. Hauswirth, 318 Wabash avenue. Mr. J. T. Anthony has been appointed superintendent of the exhibition. He also may be addressed at 318 Wabash avenue.

CARNATION KATHLEEN PANTLIND.

We have received some blooms of this excellent new pink carnation from the originators, Messrs. Hopp & Lemke, East Grand Rapids, Mich. The flowers are of good size, a very pretty shade of pink, and borne on long, stout stems. We are advised that it blooms very freely and that the plants are rust proof. It certainly gives promise of being a very useful commercial variety.

NEW WHITE CARNATION GENESEE.

We have received some specimen blooms of the new white carnation Genesee, which originated with Messrs. Harmon & Burr, and for which Mr. D. B. Long, Buffalo, is sales agent. The flowers indicate that the variety is a very promising one, the blooms being of good size, clear white, with perfect calyces and borne on very good stems. Growers who have had opportunity to try this variety are exceedingly well pleased with it.

ASTERS.

I would like to plant a lot 40x200 feet with asters next spring, and would like to know how much seed I will need, also the variety which pays best, when to sow the seed and how far to plant apart; or would it not be best to plant some other flowers there besides asters? If so, what would pay best?

K.

Asters are a good crop for summer, if the best varieties are obtained, and they receive the best of cultivation. Earliness, of course, is a great consideration. As I know the market in which these flowers will be sold, it is fair to say that for the past year or two, summer outdoor flowers have not been profitable. The supply has been much in excess of the demand, and only the very best have brought a fair price. Sow early in March, transplant into flats when they are an inch high, giving plenty of room between plants. If you wish to give still more encouragement, you can put them from the flats into 2½-inch pots and plant out middle of May. The rows can be 12 inches apart, and the plants 10 inches. Semple's is now considered the best strain of asters, but I would also grow some of the Truffaut's Perfection flowered.

Early and good sweet peas pay well, but best of all would be some strong carnation plants, put out end of April, stopped once and then allowed to flower during July, August, September and October. You will pick more profit than you would off any other crop.

W. S.

EXHIBITIONS.

"Exhibitions: Their Value and Management," is the title of a paper by Mr. James W. Withers, read before the Westchester County (N. Y.) Gardeners' Association January 22.

As illustrating the far-reaching importance of even local exhibitions, the essayist notes that the Hoe printing press and the Morse telegraph system were both first presented to the public at the annual fair of the American Institute, New York, and were assisted into prominence through receiving the gold medal of that society. Referring more directly to horticultural exhibitions, he holds that the reputation of all the leading houses in the trade in England has been built up by their displays at the numerous exhibitions held in that country, and that many a struggling business man has found the exhibitions an opportunity to bring his merit to the attention of the world. He notes that but for a display at an exhibition Mr. Henry Eckford might still be only growing a few sweet peas for his own amusement, as it was through a local exhibition that his work in improving the sweet pea first became known to the horticultural world.

The essayist refers to the many difficulties encountered in giving a satisfactory exhibition, and emphasizes the importance of giving the management into the hands of one man whose decision shall be final, and of selecting judges with the greatest care. As likely to deter protests against the awards of the judges, he suggests a rule adopted by certain English societies, which is that each protest must be accompanied by the sum of one guinea ($5), this sum to be returned to the one making the protest in case the decision of the judges is reversed after the facts are investigated, otherwise the amount to revert to the treasury of the society.

He advocates the "educational" as against the "pictorial" methods of ar-

ranging exhibitions, and holds that the judging cannot be properly done unless the competing entries are placed side by side for comparison.

MISCELLANEOUS SEASONABLE HINTS.

Dracaena Indivisa.

One of two plants that I shall very shortly sow seeds of is Dracaena indivisa. It is a plant that we find a continuous use for. They do not make better plants, but they sooner make a good sized plant, if planted out in a deep rich soil during the summer months. If sown at once the young plants can be put out in early June and if lifted in the fall and kept growing during winter will make useful plants the following spring. It is a plant not yet overdone, for at this moment it is not easy to buy any quantity of the right size. Never keep this plant in a shaded, moist house, where you would expect a kentia or erica to thrive. Keep it warm, if you want it to grow, but light, airy and not over-wet, and don't overpot it.

Grevillea Robusta.

The other plant is Grevillea robusta. Sown now they make just the right size for inexpensive decorations the next winter and for vase and veranda box work the following spring. The grevillea does its growing in the summer and you always have a spare yard or two of bench, but I trust not many, for you should find some crop to occupy the benches every day in the year.

Smilax.

A good many times I have advocated planting a smilax bed every year and after deviating last summer from my own judgment, I come back still more convinced that annual planting is in every way better than carrying over an old bed. The strings are more uniform in size, quicker to make a new growth and less liable to die even if they are given ignorant care. Sow the seeds soon, so that on July the 1st you have a nice plant in a 3-inch pot about to make its second growth. By that I mean the growth that will make a string. If planted early in July and given a night temperature of 60 degrees, you can easily get four crops before it is time to replant.

Tuberous Begonias.

It is too early to start tuberous rooted begonias for bedding purposes, but a few can be started for selling in May in pots. They don't all start at once, and instead of potting them in 3 or 4-inch pots, as we used to do, we put them in flats of sand and place in a warm house. When they have made a couple of leaves they lift out with all their roots and receive no check when potted in 4 or 5-inch pots. I am sorry to say that they cannot be commended as a plant for a room, dropping their flowers quickly; this is the constant report. But as a bedding plant they are yearly becoming more popular. People want a change from a bed of geraniums occasionally, and we have a fine one in a bed of begonias. For several years there have been some grand beds in our North Park, also in Forest Lawn cemetery, and last year our customers asked for them. There is a notion that these begonias want shade. The finest beds I ever saw had not a particle of shade. It is true they need more care than a bed of geraniums or cannas. John Thomas, the coachman-gardener, cannot be allowed to hose them every evening. But surely it will pay to keep the soil stirred between them and a careful watering once a week. Begonias that have been grown under glass for two months, especially shaded glass, are by no means best suited for a flower bed. Although several weeks ahead of time, I may as well give you my experience with them the past two or three years, and I see no reason to change it. The end of March the bulbs were placed in flats quite thickly (one inch of sand and one inch of soil). The flats were placed on hot water pipes, where the heat wasn't too strong. In three or four weeks they had made two or three leaves. They were then potted, the very strongest in 5-inch, next grade in 4-inch, and smallest in 3-inch. They were plunged in a mild hotbed and grew like lettuce. Two weeks before bedding time the sashes are removed so the plants get a thorough hardening off; for which more of our bedding plants would be the better for their future welfare. These begonias treated in this way were sold for $1.50 to $2.50 per dozen. Surely this is a better paying plant than many we grow.

Cannas.

It is rather early to start the main crop of cannas, but of varieties that you are short of or varieties that you want in flower, it will soon be time to get them growing. Many of them are now so fine that if in bloom in May you can easily persuade a customer to plant a bed, which you could not if they saw only the green leaves, and to the humbler dwellers in a cottage with a small garden their beauty appeals, and if which is the truth you can say, "Yes, ma'm, they will grow large and flower continuously all summer." That settles it; you have made a sale. Under a bench where there has been no drip on them and a temperature of about 50 degrees they are wintering finely. When you do start them, cut up the roots, leaving one lead or eye to each. Place in flats of three or four inches of sand, where they can remain until they have made a growth of several inches, then pot into 4 or 5-inch pots. By starting them in flats you will save nearly a month of valuable bench room and really lose fewer than when started in pots.

Geraniums.

Geraniums that were shifted at New Year's have made growth enough to give a good cutting. They would need stopping anyway. When you stand over these geraniums, which should be done with lightning speed, beheading them as they pass through your hands, don't expect the man that cuts their heads off to reset the plants on the bench. A cheaper man can do that, and don't have the cutting in your mind; study the plant. It is useless to destroy or cripple the plant for the sake of getting a good cutting. The plants will not be of a uniform height, and some may not give you a cutting, as you have no time to go over them again, so top them all, with the welfare of the plant in view, and you will get a uniform lot of plants that will all flower about the same time. It is waste of time to put the cuttings in sand, and they would not make as good plants if you did as those potted at once into 2-inch pots. Pot firmly, not by pressing your thumbs on the surface, as you see too many do, but get your finger down by the side of the cutting like a wedge. You ought easily, if somebody is carrying away the plants, to pot 8,000 a day of such material as this. Give the cuttings a thorough watering and then be careful and water only when they are dry till they make roots.

Wm. Scott.

KENTIA DUMOINEANA.

The palm here illustrated is comparatively rare, and probably is a seedling variation from K. Belmoreana, showing, as it does, many characteristics in common with that species. K. Dumoineana, so far as noted in a young state, appears to be of compact habit, and with leaves of much the same graceful form as those of K. Belmoreana, but having narrower segments and a greater number of them.

The leaf stalks are dark olive to



Kentia Dumoineana.

bronze in color, and the young leaves when first opening also show a bronze tint at times. K. Dumoineana appears rather slow in growth as a young plant and is not likely soon to become common, from the fact that probably no seed of this variety is on the market at the present time. W. H. TAPLIN.

PHILADELPHIA.

A Beauty Wedding.

The June weddings, the October weddings and the Easter weddings, usually in April, are proverbial. It remains for the first season of the Florists' Review to chronicle the appearance of the January weddings in this city in sufficient numbers and size to give business a decided impetus. The present style is to have one color, often one flower almost exclusively, in a choice decoration, with much greenery added. Probably the most fashionable of these January weddings was a Beauty-full affair, so to speak, the center piece on the breakfast table at the home of the bride being what might be termed a Christmas tree of Beauties. The tree standing up quite high from the middle of the table was lavishly adorned with Beauties; nothing else, and was considered most effective. Beauties were used everywhere, over the side of the mantel and in great bowls on the parlor tables.

Two Important Events.

Tuesday, the 18th inst., marked two events of interest to florists. The first, the Forestry meeting of the Pennsylvania Horticultural Society, which was addressed by Gov. Hastings and by Prof. Rockwell. The professor has made our forests his study and works hard to convince our people of the importance of taking immediate steps to replace the trees we have lost and are losing every year by wholesale replanting of the despoiled tracts of land, which in many cases would otherwise lie waste.

The other was the annual Charity Ball, which took place in the Academy of Music. The decorations, especially on the stage, were more than usually handsome. The effect as a whole was lessened by the management of the Academy declining to allow the decorations to be put on certain woodwork, lately repainted. This must have been a great disappointment to the florist—Graham, I think—spoiling the finish of an otherwise excellent piece of work. It is some consolation to know that such short-sighted policy on the part of the Academy management will probably send the Charity and Assembly balls to Horticultural Hall another season. Most of the large private balls are given there now, and it only needs these live subscription dances to make our hall the first place of its kind in the city, as it deserves to be.

Improvement in Business.

Business has improved wonderfully during the past week. All kinds of flowers sell readily, many varieties being in rather short supply. The weather has been most remarkable; mild and spring-like, and with enough cloudiness and rain to remind one of April. Double daffodils made their appearance this week and are in brisk demand.

The plant trade has been more satisfactory than last season, taken all in all. The show windows of nearly all the stores contain some choice specimens, often in bloom. One window was filled entirely with Otaheite oranges, another with ferns and azaleas, Mme. van der Cruyssen.

Notes.

William Graham has presented the bowlers with a cup to be competed for on the club alleys. The conditions are calculated to promote interest in the game.

Mr. C. W. Ward came here from Queens this week. Mr. Ward believes that by seeing a grower's place and the conditions surrounding it, he can form some idea of the new varieties of stock that grower may reasonably expect to succeed with him. This seems an excellent plan; intelligently carried out it should prove of mutual benefit.

We are told in the Bible how Joseph was sold by his brethren. The old adage that history repeats itself has proven true, for now Joseph Heacock has sold Elizabeth to the highest bidder. J. W. Y.

CHICAGO.

Among the Wholesalers.

The shortage in supply continues, with a brisk demand for all good stock that reaches the market. And the outlook for an increase in the supply is not the best. A heavy fall of damp snow last Saturday night, which was later converted into a mixture of snow and ice, has not tended to increase the light in the houses. Sunshine on Monday indicated a possible change in conditions, but on Tuesday another heavy fall of snow began.

Vaughan, McKellar & Winterson are enlarging their florists' supply department and are now manufacturing their own wheat sheaves.

E. H. Hunt is well satisfied with the condition of trade. His books indicate a very large increase over the same period last year.

Referring to the recent notes about the neglect of cut flower packages by

the express companies, our attention has been called to the prompt delivery always given by the United States Express Company. We are told that when a box with a cut flower label on reaches this city by this company, and there are no wagons available, the box is delivered by messenger, and under no circumstances is allowed to linger around the freight house. Those who have had trouble with delivery by other companies might do well to try this company when possible to do so.

The advance guard of the "Novelty" tulips are beginning to arrive at Kennicott Brothers Company from the Klehm nurseries. It is remarkable how well colored the Klehms always manage to have these tulips. They will cut 70,000 of these this season.

George Reinberg, of Reinberg Brothers, suffered a serious loss at his greenhouses during the heavy snowstorm Saturday night. Heavy drifts of wet snow broke in the roofs of two rose houses and both houses and contents are practically a total loss.

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NEW YORK.

Among the Wholesalers.

Contentment reigns! instead of the wet kind that we have been having. "That tired feeling" has almost left the faces of our friends in the cut flower district and has been replaced by a "Rembrandt" looking countenance as rotund and smiling as a Falstaff or Pickwick. Optimism has replaced pessimism, bad prices by better prices, unkind weather by good weather and so it is the pulse of the trade is again beating normal. Not that things are what they ought to be, but then the millennium is not yet, and Greater New York is not Utopia.

By comparing last week's market report with this, you will notice that prices have improved in some lines considerably. Good Beauties are somewhat scarce, but 75 cents apiece is the top notch. Fancy Maids, Testouts and Meteors realize $10 to $12 per hundred, and Brides a trifle less; Morgan and Cusins, special, $6 to $8, though it must be understood that only specially selected long stem stuff realizes these high prices. A woman always thinks her child the smartest and brightest, and so it is the grower thinks his roses are just as fine as his neighbor's. If, however, he were to look at his flowers through the same pair of "pince-nez" as the wholesaler, he would note the difference between graded extra fancy and "ornery" stuff, and therein lies the secret of contention. If you see roses marketed at a certain price, don't jump at conclusions and think, "Well, why don't I get these prices?" Just look home and say, "I'll try and improve my goods." "Grow less and grow the best," should be your maxim. It will pay you better in the long run. Quality is what counts for price. It is the middle grade stuff that gets it in the neck.

There is a plethora of valley in the market and price was beaten down to $1 and $1.50 during the week. This is a thing that can be controlled, so valley growers, please paste this in your hat: "Valley is exceeding the demand."

Fancy carnations gained a point and some sold as high as $8. Cattleyas are plentiful with the price steady at 40 cents, while some specially fine are sold for 50 cents. Coelogyne cristata is coming in slowly and is very pretty when it can be used to advantage. Cypripedium insigne are plentiful, though they have not been a glut at any time. A few Blanche Ferry sweet peas are to be seen and sell readily at $2 to $3.

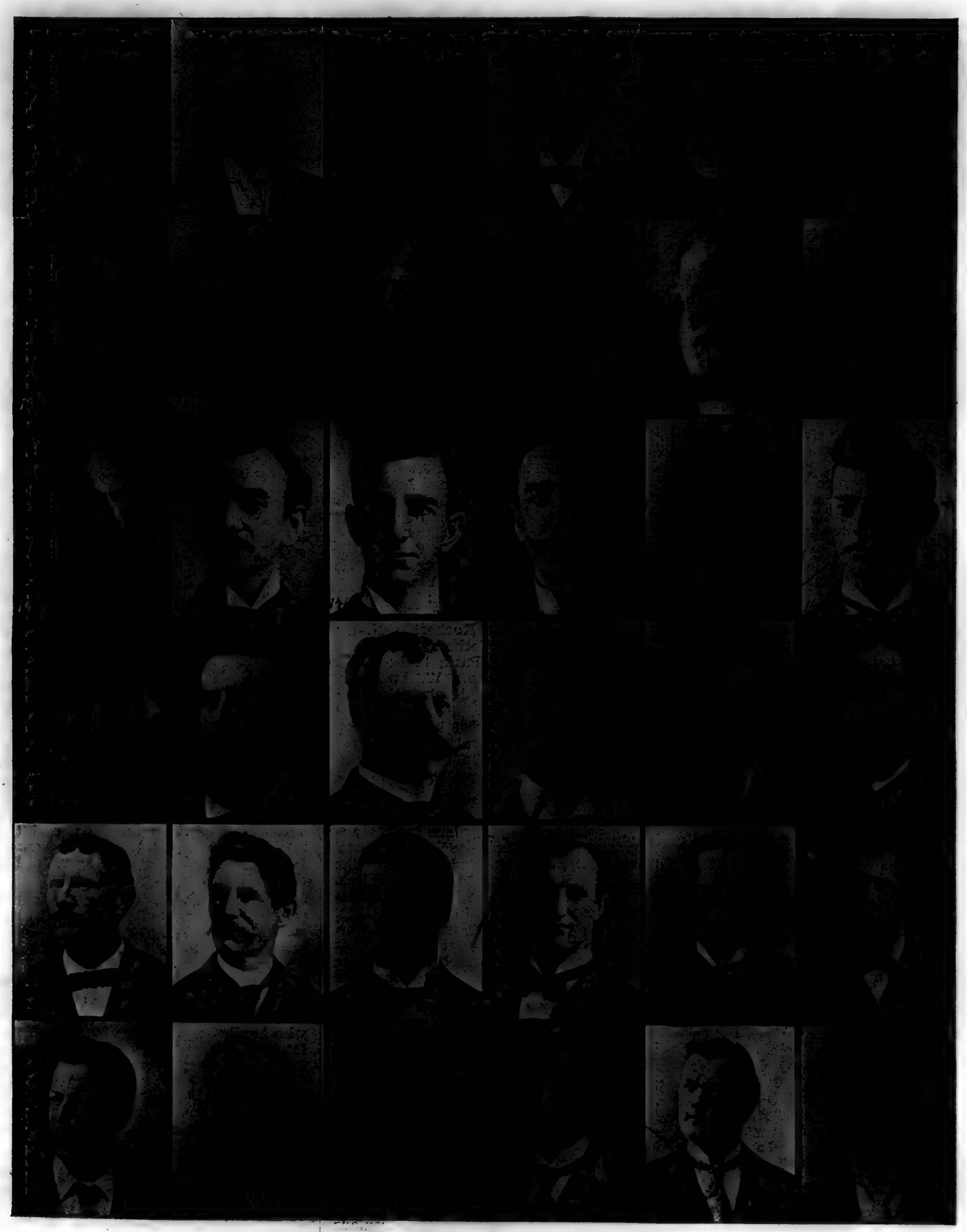
For other quotations and report, see our wholesalers' special, which is prepared expressly for The Florists' Review.

Our Wholesalers' Special Report.

Business assumed somewhat larger proportions last week. A number of social events helped matters and resulted in a pretty general cleaning up of stock of nearly all kinds. There was no advance in price to speak of, but a better average was made on the lower grades than the week previous.

In roses the supply was light. Maids easily led in demand, extras and good No. 1 realizing a satisfactory price. Brides did not fare so well, particularly those of the best quality. The call for this variety was very moderate. For the first half of the week Beauties sold only fairly well, but the light cut resulted in a stiffening of price all around. The quality is good. Meteors went well and good stock was readily taken up. Testouts, Morgans and Cusins did better at a slightly advanced price over the week before. The supply of Brunner increases slowly, but was equal to the demand.

In carnations, while good stock was readily absorbed, inferior quality dragged somewhat and brought low figures. There is a considerable supply of fancy sorts from a number of sources of excellent quality.



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Among the Wholesalers.

Contentment reigns! instead of the wet kind that we have been having. "That tired feeling" has almost left the faces of our friends in the cut flower district and has been replaced by a "Rembrandt" looking countenance as rotund and smiling as a Falstaff or Pickwick. Optimism has replaced pessimism, bad prices by better prices, unkind weather by good weather and so it is the pulse of the trade is again beating normal. Not that things are what they ought to be, but then the millennium is not yet, and Greater New York is not Utopia.

By comparing last week's market report with this, you will notice that prices have improved in some lines considerably. Good Beauties are somewhat scarce, but 75 cents apiece is the top notch. Fancy Maids, Testouts and Meteors realize $10 to $12 per hundred, and Brides a trifle less; Morgan and Cusins, special, $6 to $8, though it must be understood that only specially selected long stem stuff realizes these high prices. A woman always thinks her child the smartest and brightest, and so it is the grower thinks his roses are just as fine as his neighbor's. If, however, he were to look at his flowers through the same pair of "pince-nez" as the wholesaler, he would note the difference between graded extra fancy and "ornery" stuff, and therein lies the secret of contention. If you see roses marketed at a certain price, don't jump at conclusions and think, "Well, why don't I get these prices?" Just look home and say, "I'll try and improve my goods." "Grow less and grow the best," should be your maxim. It will pay you better in the long run. Quality is what counts for price. It is the middle grade stuff that gets it in the neck.

There is a plethora of valley in the market and price was beaten down to $1 and $1.50 during the week. This is a thing that can be controlled, so valley growers, please paste this in your hat: "Valley is exceeding the demand."

Fancy carnations gained a point and some sold as high as $8. Cattleyas are plentiful with the price steady at 40 cents, while some specially fine are sold for 50 cents. Coelogyne cristata is coming in slowly and is very pretty when it can be used to advantage. Cypripedium insigne are plentiful, though they have not been a glut at any time. A few Blanche Ferry sweet peas are to be seen and sell readily at $2 to $3.

For other quotations and report, see our wholesalers' special, which is prepared expressly for The Florists' Review.

Our Wholesalers' Special Report.

Business assumed somewhat larger proportions last week. A number of social events helped matters and resulted in a pretty general cleaning up of stock of nearly all kinds. There was no advance in price to speak of, but a better average was made on the lower grades than the week previous.

In roses the supply was light. Maids easily led in demand, extras and good No. 1 realizing a satisfactory price. Brides did not fare so well, particularly those of the best quality. The call for this variety was very moderate. For the first half of the week Beauties sold only fairly well, but the light cut resulted in a stiffening of price all around. The quality is good. Meteors went well and good stock was readily taken up. Testouts, Morgans and Cusins did better at a slightly advanced price over the week before. The supply of Brunner increases slowly, but was equal to the demand.

In carnations, while good stock was readily absorbed, inferior quality dragged somewhat and brought low figures. There is a considerable supply of fancy sorts from a number of sources of excellent quality.



OUR GENERAL INTRODUCTION. No. 5.

Violets have done better during the past week except on Thursday, which was rainy. The stormy weather affects the sale of no other flower so much as violets. The supply continues large. A limited number were sold for $1, but the bulk were disposed of at figures ranging from $4 to $7.50 per thousand.

Harrisii is moving better, though at no advanced figure. A number of growers have lost thousands of these flowers from disease. Cattleyas are in excess of the demand and are accumulating. Price is unsteady. Valley is very plentiful and in large lots is sold low. Supply of tulips increasing rapidly with a consequent lowering of price. They are of good quality. White lilac is coming in from a number of growers and is quoted from $1 to $1.50 per bunch.

Among the Retailers.

There are many attractive windows in New York City and those of Mr. J. M. Hodgson are not an exception. He has a wealth of window front and they are always shown to advantage. Those facing Fifth avenue usually divide the honors, one being decorated with plants, the other with seasonable flowers. The former was tastefully arranged with small ferns, Dracaena terminalis stricta, Ardisia crenulata, large Nephrolepis Bostoniensis and pretty pieces of the bird-nest fern, Aspidium nidas avis. In the background were five kentias and a large cork branch upon which were orchids in flower and stag-horn ferns, Platycerium alicorne. In the flower window were handsome vases of fancy roses and standards, from which were suspended small glasses filled with cattleyas, cypripediums, valley, Pancratium fragrans, Imantophyllum miniatum, Amaryllis Johnsonii, etc. Besides vases of fancy carnations, there were large branches of Forsythia Fortunei and the double-flowered almond. Mr. Hodgson believes in carrying only the finest stock in plant and flowers and attributes a great deal of his success to this one important point.

Assorted weather, spring, summer, autumn, and winter, has given variety that should have pleased the most fastidious. There has been a general improvement since my last letter and it has come none too soon. We are midway between the only really busy season of the year, and it must make a good many leaps and bounds to catch up, and make a good average for the season.

Really big jobs are few and far between, even the Old Guard ball, which has usually caused a little flurry in the flower market, now has no perceptible effect, and if any one takes the work now it is more for the advertising than the money there is in it. Swell dinners are the "good thing" these days, and novelty in this direction is much sought after. Orchids and Farleyense are used very extensively and the fancy roses, Bridesmaids and all high colored roses have the call.

Many flowering plants are to be seen in the florists' windows, azaleas, heaths, cyclamen, primulas being specially noticeable, and the quality excellent. There used to be an idea that heaths and cyclamen could not be grown to perfection. A glance at the stock now seen would soon dispel this misconception, and in future years I expect to see much more variety. The field is broad; here, growers, is your opportunity.

Palms are still "de trop" and medium and smaller sizes find a ready sale. The large sizes of arecas and kentias are exceptionally scarce, the former not to be had at any price.

The so-called naturally prepared palms do not seem to have any material effect on the sale of the "real article." In fact, I think like every dog, they have had their day.

Jardinieres are filled by the hundred, and this pretty little knickknack has not lost any of its popularity, and it is surprising how many times they are filled during the season.

Seed and Bulb Trade.

The following members of the Seed Trade Association were present at their meeting, held at the Park Avenue Hotel, Friday last: President Jerome B. Rice, Cambridge, N. Y.; Secretary S. F. Willard, Wethersfield, Conn.; ex-President T. W. Wood, Richmond, Va.; Vice-President Everett B. Clark, Milford, Conn.; W. Atlee Burpee, Philadelphia, Pa.; A. L. Don, New York; Albert McCullough, Cincinnati, O.; W. H. Duryea, representing Henry Nungesser, New York; J. Vick, Rochester, N. Y.; William Meggart, Wethersfield, Conn.; C. L. Allen, Floral Park, L. I.; A. N. Clark, Milford, Conn.; W. P. Langbridge, representing Jerome B. Rice, Cambridge, N. Y.

The proceedings were held "in camera." The next general meeting of the association will be held at Old Point Comfort, Va., Tuesday, June 14, 1898.

The Club Dinner.

The date, time and place for the annual dinner of the New York Florists' Club has been decided and is "The Arena" (Machenheims), Saturday, Feb. 19, 7 o'clock. The following committee has the matter in hand: Chas. Weathered, Ernst Asmus, John Taylor. Tickets will be $5, and intending diners are requested to notify the committee or the secretary, Mr. John Young, so that matters can be facilitated and success assured.

Contributions of flowers, plants and "fixins" should be sent to Mr. Lawrence Hafner, who will have charge of the decorations, and they should be addressed care of Mr. John Young.

Various Notes.

The National Florists' Board of Trade, born in the fertile brain of Mr. Cornelius S. Loder, for the protection of florists and allied interests, is "protection that does protect." As secretary, he is at present sending circulars to all the trade, which contain many testimonials from leading houses that bear the "ear marks" of gratitude, from being saved from losses they might otherwise have sustained. The New Year has brought increased membership. Let's hope it will bring increased prosperity, too.

Mr. F. Lehnig, of Hackensack, and Mr. David R. Rose, Jersey City, respectively president and secretary of the New York Market Florists' Association, have been seriously ill with "la grippe," which seems very prevalent at this time. They are, however, well on the road to recovery, I am glad to report.

Mr. Jas. A. Fraser, traveler for the Lovett Company, Little Silver, N. J., has severed his connection and has now joined forces with the firm of Morrison & Halstead, Troy, N. Y.

President Clausen, of the Park Board, has abolished the office of superintendent of parks, which position was held by Mr. Samuel Parsons, Jr. Mr. Clausen's excuse is that he wishes to separate the artistic from the practical features. For the former he has appointed Mr. Nils. J. Rose, and the latter, Patrick St. John. Mr. Rose is well known to the horticultural world, graduating from the Horticultural College of Almard, Sweden, in 1881, and has made a study of landscape work in all its branches. He is the author of several text-books on gardening subjects, and was connected with the horticultural department of the World's Fair. He afterward came to New York and held a position under Mr. Parsons from which he is now promoted.

When the members of the S. A. F. A. O. H. (I am going to buy a rubber stamp for these initials if I have to write them very often in the future) go to Omaha next year, they should engage the new limited train of Pullman cars recently "put on" by the Pennsylvania railroad. Each car is named after a popular flower, and I noted "Gladiolus," "Justicia," "Camelia," "Azalea," etc. Perhaps we could make up a car of specialists for each, and the scribes could ride in the car "Papyrus." P. S.—This is not a reading "ad." for the P. R. R.

Mr. W. A. Hanft, for 25 years in the retail business, and lately with the well known Sixth avenue florist, Wm. P. Sears, has taken a position with Mr. Thomas Young, Jr.

W. F. Jagger, Westhampton, L. I., who recently started in the florist business with three carnation houses, and who has been very successful with the fancy varieties, will erect two houses during the coming spring, 18x100, and the contract has already been let to Lord & Burnham, who will build, heat and finish them in every detail.

Mr. Joseph Kift, of Philadelphia, was a recent visitor. We are always pleased to see our friends from the City of Brotherly Love. What do you think of us now, Brother Kift, since we have grown out of our knickerbockers and are now Greater New York?

ST. LOUIS.

Trade Looking Up.

Cut flower trade in the city has been better for several days past and the outlook is very encouraging from now on until Lent sets in. Dinners, wedding receptions and other entertainments make a call for quantities of cut flowers.

Roses have been very scarce, good blooms selling well. This condition of the rose market is undoubtedly due more to the smallness of the cut generally than any special increase in consumption. The last three days of the past week were very brisk, especially in funeral work, and the commission men say they soon sold out all their stock. Good Beauties are very scarce, particularly first-class grades. The few that come in go at from $3 to $5 per dozen. Brides and maids, which have been plentiful right along, are also scarce, the first grades bringing from $6 to $10; seconds, $5. Meteors are very scarce, Woottons taking their place for good red roses and bringing from $5 to $7 per 100. Perles and La France have fallen in line with the scarce ones, and good blooms demand $4 to $6.

Carnations are comparatively scarce and are going well. Daybreaks and Scotts sell at $2 to $4, with some extra fancy at $5. The scarlet Portia and Jubilee bring $4 for the best. Bulbous stock is still in good supply. Fine Valley brings $4, Romans and paper white, $2 to $4. Daffodils (Von Sion) are coming in now and go at $4. Tulips are rather short stemmed, and sell at $3 and $4. Narcissus and callas are selling well at $10 and $12.50; Freesia, $1 to $3. Stevia is fine at 20 cents per bunch. Violets are flooding the market just now and Californias (home grown) can be bought at 50 cents, and the small single as low as 10 cents per 100, while good double can be had at 40 and 50 cents. Complaints of dull business seem general all over the country, according to the notes in our last issue, both shipping and local trade suffering alike.

With the Belleville Craft.

The invitation extended to the Florist Club by their Belleville brethren was accepted by twenty-four of the members, and on Tuesday morning at 10:25 they met at the Union station and took the Air Line for Belleville. Among those who were in the party were: C. C. Sanders, F. C. Weber, Fred Meinhart, John Ammann, C. A. Kuehn, F. J. Fillmore, Carl Beyer, Albert Michel, R. F. Tesson, William Ellison, F. W. Ude, Jr., H. G. Ude, Gus Ude and Theodore Richter, of Kirkwood; A. Windler, Charles Juengel C. W. Wors, Emil Schray, Julius Schray, Max Herzog, H. Schulte, P. G. Brackenburg, J. J. Bucke and Miss Ellison. The party arrived at the Belleville junction at 11 o'clock and made their first visit to Mr. Emmons, of the West Park Floral Company, who was in waiting at the depot. The party at once proceeded to inspect Mr. Emmons' place. A little keg painted green, in the potting shed caught the eye of jolly Max Herzog and his side partner, Frank Fillmore. Mr. Emmons has five houses, each 150 feet long, planted in carnations and roses, and everything looked to be in fine shape.

After sampling the green keg the party started for the city, with Mr. Emmons as our guide. At this point we were met by Dr. Halstedt, E. W. Guy and M. Semmler. From here we were taken to Mr. Guy's establishment, which we also found looking at its best. Next door to Mr. Guy is the St. Clair Floral Company, with Mr. William Trillow in charge. This place has greatly improved under Mr. Trillow's care. Carnations and roses are mostly grown here, and all things are in finest shape.

We next visited Mr. Fehr and Mr. Grossart, and also Mr. M. Semmler. At the latter place the old gentleman and his wife received us with open arms. After looking through the houses Mr. Semmler invited us into the house to partake of a light lunch of cake and wine. Mr. Semmler's place is of the old style, but is kept in apple pie order, everything being very clean and nicely arranged.

From this place we were taken to Lavaux's for dinner, where we found a fine spread. The room was nicely decorated with potted plants of all kinds and the tables with smilax, roses and carnations. This part of the program was very much enjoyed by all present. Mr. E. W. Guy delivered an address of welcome to the St. Louis florists. After dinner the party visited the Belleville Commercial Club rooms, and after bowling a few games it was train time. At 6:30 all were on the train headed for St. Louis, and expressed themselves as having spent a most enjoyable day, thanks to our Belleville brethren.

Shaw's Botanical Gardens.

A visit to Shaw's Botanical Gardens a few days ago was much enjoyed, as Prof. Trelease had several things of interest to tell me. I found the professor in his office, and glad that I had come. He has been sick the past week with the grippe, but was feeling much better. Our talk was on the Chrysanthemum show for 1898. The Shaw premiums will again head the list, and the professor would very much like to see more competition for the Henry Shaw gold medal, which is given for a plant of decided merit, for cultivation, not previously an article of North American commerce, and introduced to such commerce by the exhibitor during the year in which said award was made. He hopes that some of our eastern florists will fall into line at the next show. The professor is enthusiastic for the success of our show this year and will do all in his power to help make it the grandest affair we ever had.

"How do you like our new trade paper, The Florists' Review, professor?" "It's a grand paper, and such men as Scott, Grant and Dorner assure its success."

Death of Henry Michel.

We regret to note the death of Henry Michel, formerly of this city, who died a few days ago at Marion, Ind. For many years he was president of the Michel Plant and Bulb Company. He has a number of relatives in this city, among them being Albert Michel, a brother, and Eugene Michel, a nephew, and friends by the score.

E. J. Berterman, of the Berterman Floral Co., Indianapolis, Ind., was a visitor last week.

Of Interest to Bowlers.

The Bowling Club on Monday night rolled four games of cocked hat and J. W. Kunz was high man with 141, high single score 48; Kuehn, second, with 131, single score 41; E. Schray, third, with 19, single score 34. The weather was bad and the attendance not good. Next Monday night will end the cocked hat series. J. J. B.

INDIANAPOLIS.

12th Annual Meeting of State Florists.

The twelfth annual meeting of the State Florists' Association of Indiana was held at the state house, this city, in the horticultural and agricultural rooms, an exhibition of choice flowers and plants in the former and the meeting in the latter. The attendance was satisfactory throughout, the meeting having life and vim to it. President Stuart's address was full of good points and suggestions. The annual report of the secretary showed the usual membership, with a sufficient surplus in the treasury to print the annual report and pay other expenses for the coming year. The report of the eleventh annual chrysanthemum show showed somewhat discouraging on account of a cut in premiums to the state members under the favorable circumstances of last fall, but the majority present felt that much good had been accomplished in education, and an extra effort should be made to bring the financial matters into better shape.

A report from the local society members indicated that they are negotiating with the Commercial Club of Indianapolis for support. A permanent committee was appointed to confer with a like committee of the Indianapolis Florists' Club for further consultations and report to the officers and executive committee in one month from now to decide definitely on holding the twelfth annual chrysanthemum show. No doubt exists but what a show will be held—it is only how extensive it shall be made. On invitation of Mr. E. G. Hill the July meeting of our Society will be held in Richmond.

Election of Officers.

The election of officers resulted in the following satisfactory manner: J. D. Carmody, Evansville, president (by the way, our first president in 1887); John Berterman, vice-president; R. A. McKeand, secretary; Fred. Huckriede, assistant secretary; J. T. Huntington, treasurer; executive committee, H. W. Rieman, W. G. Berterman, E. A. Parker of Indianapolis; Fred Dorner, Lafayette, and E. G. Hill, Richmond.

The state fair controversy was well discussed. The committee is backed by this association in all it has done and is given full power to go ahead, adding to and revising the coming premium list. A reconstruction of the State Board of Agriculture by the next legislature seems a foregone conclusion.

The Exhibition.

The exhibition of plants and flowers was very creditable. Some really very fine carnations were shown, among them the following varieties by Messrs. Hill & Co.: Arbutus, Daybreak color, a shade darker, very fine; Scarlet Queen, a dazzling red, very promising; Painted Lady, a good bloomer, but color somewhat doubtful, a light crimson, with shading toward ends of petals; America, a fine red; Flora Hill, well known white; Psyche, a heavy flower, white with scarlet stripes.

In Dorner & Son's Co.'s exhibit were shown Golden Nugget, by far one of the best yellows, somewhat loose in texture but otherwise good; Mrs. Bradt, well known; White Cloud, by far the finest white shown—deserved a certificate; Dazzle, scarlet, very good; John Young, white, weak stems.

Stollery Bros., Chicago, showed Argyle in good shape. R. Witterstaetter, Cincinnati, exhibited Evelina, white, in fair shape, good stem. Stuart & Haugh, Anderson, Ind., showed some fine carnations and roses. South Park Floral Company, New Castle, Ind., staged a lot of the finest Bridesmaids, Albertini, Jubilee and Helen Keller ever seen in this market, also some beautiful violets. In the exhibit of H. W. Rieman, Indianapolis, were roses, carnations and a few elegant azalea plants. Berterman Floral Company's exhibit consisted of some good seedling carnations, cyclamens, Farleyense and other choice plants.

Certificates were awarded as follows: Best yellow carnation, Fred Dorner & Sons Co.; best white, R. Witterstaetter, with Evelina; best pink, best variegated, best red, South Park Floral Company, with Albertini, Helen Keller and Jubilee, respectively; best Bride and Maid roses, also violets, same firm; best Meteors, H. W. Rieman; display of plants, Berterman Floral Company; Azaleas, H. W. Rieman, and primroses, E. Huckreide & Son.

The Banquet.

After the meeting about forty members and invited guests were evidently interested in the invitation of the side show committee, as they were promptly on hand at the Commercial Club rooms and made themselves at home for the time being. At promptly 10 o'clock our genial toastmaster, J. D. Carmody, gave the sign to sit down around a table in the shape of a T, profusely decorated with specimen flowers, asparagus, smilax, etc., with palms and other plants, giving the room an ideal banquet appearance. The eatables were plentiful and the tea of all colors. After the disposal of the good things to eat and drink, every one was expectant as to how our own J. D. Carmody would handle some of those whose talents were hard to guess at. He fulfilled this expectancy in the most satisfactory manner. The official program was as follows:

The Indianapolis Chrysanthemum Shows; What They Have Done for this State, E. G. Hill; The Florists' Business of the Past, Fred. Dorner; The Florists' Business of Today, J. S. Stuart; Our Amateurs, E. A. Parker.

After the toasts had been completed the general merriment began, and every one left the building with the satisfaction of having spent a profitable and pleasant evening. As one old member remarked, "This was one of the old-time banquets we used to have." We shall have more of these pleasant gatherings.

Notes.

The wife of Mr. E. A. Parker, one of our most faithful amateur members, passed away Saturday. The funeral was held Monday afternoon. Many members of the local floral society attended and suitable floral emblems were sent by the local and state associations.

A delegation of eight florists visited our Cincinnati brethren Sunday, January 16. From all reports they had a very pleasant trip and were entertained royally by those Cincinnati leaders, Witterstaetter and Gillett.

Trade has been very slack, but is improving considerably, with all stock scarce and not up to standard. Violets and carnations are getting more plentiful, however. The great monetary convention promises some extra work, with other receptions, conventions and banquets in sight.

CINCINNATI.

Scarcity of Stock—Prices.

While trade during the past week has been good, at the same time it has not been very satisfactory, especially in the wholesale houses, as it was impossible to get enough stock to supply the demand. The word scarce fails to express it in regard to roses, and the indications are that they will continue to be so for some time to come. Plants are showing the effects of dark, rainy weather. Beauties seem to have suffered the most, as no first-class flowers and very few poor ones are coming in. Tulips are now with us and sell fairly well, although the stems are a little short. Prices on all stock have advanced somewhat. Harrisii lilies are scarce and in demand. Several of our growers are complaining about the Harrisii disease, a large proportion of the bulbs being worthless. This, together with the duty, does not realize much profit for the grower unless the price of the flowers advance accordingly.

A Novel Window Display.

J. A. Peterson had an attractive window display last week. The principal feature was a large frame of black velvet on an easel, to which were attached numerous small vials of water, in which was arranged a beautiful assortment of orchids, principally Cattleya Trianae. Mr. Peterson has a new white carnation of which he is justly proud. It is a sport from McGowan, and is certainly a good flower.

Bowling Notes.

It looks as though our bowling club had gone to pieces, or perhaps the store boys are afraid of those greenhouse fellows. Last Thursday evening was the appointed time for a match game, but not a store man showed up, and just to think, that only a short time ago these same bowlers (?) were talking of sending a challenge to the Chicago club.

Various Items.

Notwithstanding the scarcity of roses last week, that old familiar sign we behold during the summer, "Roses 50 cents per dozen," was to be seen in the window of an up-town store.

This city was visited by a severe wind storm Saturday night. In fact, it was the biggest gale known for years. Very few of the craft escaped without some loss, principally from broken glass, ventilators and loose sash taking French leave. Fortunately, the weather was not very cold, and a few days' work will put things in shape again.

Chas. Raynor, of Anchorage, Ky., was a caller the latter part of the week.

B.

ROCHESTER, N. Y.

Market Conditions.

A very fair amount of business was transacted during the week, though no extra exertions were needed at any time to keep up with the steady demand, but nobody was idle. On all pleasant days the transient trade of the best located stores is greatly increased in volume, and such days were not rare lately. If the weather condition had been less favorable, perhaps we would have to record a slight falling off in sales; as it was, the total receipts compare favorably with those of former weeks in January. The dearth in the flower line was relieved to some extent; a few sunny days had materially increased the weekly cut of our local growers, but no overstock is in the market yet, and good roses are still a scarce article.

Stock—Prices.

Violets are now for the first time in this season coming to market in larger quantities, and have declined in price; only the best bring $1. Good tea roses are not to be had for less than $8 to $10, while the poorer grades are correspondingly high; Meteors bring $10 to $15. Tulips in all colors are seen now everywhere; $4 is their price. Paper white narcissus of best quality are bringing $3. Callas are scarce and have been in good demand at $1.50 per dozen. Stevia is nearly over, still some of it is yet to be had at 20 cents per bunch. Valley is now rather plentiful at $4, and carnations sell at $1.50 to $2 for ordinary and $3 for fancy. Mignonette is $3. Smilax sells at all prices, generally bringing 15 cents, but some shorter strings were disposed of last week at 6 cents.

Some remarkably fine heads of heliotrope, grown by Chas. Suhr, have sold well all this winter. They remind us of times gone by, when these sweet flowers were in greater demand and grown more universally. Of late years the inquiry for them has declined, and but few were offered in the market; now the public seems to again take a fancy to them, and they sell at sight. Though the market is now far better supplied in all lines than at any time since December, there is by no means an over supply, nothing goes to waste and the decided scarcity of best grade roses is a constant source of annoyance. K.

TORONTO.

Horticultural Meetings.

This has been a month of horticultural meetings, in fact, they are beginning to get a little too numerous perhaps. What, with annual meetings, regular meetings, special committee meetings, standing committee meetings, directors' meetings, and other kinds of meetings, one will soon lose track of his family affairs altogether. Are we not getting a little too much of a good thing? Could not the Gardeners and Florists' Association and the Horticultural Society be rolled into one, with a professional section to take the place of the former? It seems to me we are using altogether too much steam for the work accomplished, and that one strong society could do as much work if not more than two weak ones.

The regular meeting of the Gardeners' and Florists' Association was held last Tuesday and was fairly well attended, and a good deal of business was done. Mr. C. Tidy having resigned the first vice presidentship, Mr. Geo. Vair was elected in his place, and Mr. Vair's place on the executive committee was filled by Mr. Fitzpatrick, gardener to J. Long, Esq. The annual dinner will be held on Thursday, Feb. 10, at Webb's rooms. It is hoped that the Canadian Horticultural Association may find it convenient to hold its first meeting about that time. It would be a good opportunity for meeting our country brethern in a social way. A motion was brought up to reduce the annual fee of $2 to $1, but the question was left for the executive committee to wrestle with, along with a scheme which Mr. Ewing is incubating, the particulars of which were not given to the meeting.

Some Fine Orchids.

There are some fine orchids in bloom in this city now and lots of them. Most of the public and private conservatories have some fine specimens. Horticultural Gardens, amongst others, have Angraecum sesquipedale, Dendrobium nobile, Lycaste aromatica, Coelogyne cristata, Odontoglossum pulchellum, a very pretty pure white orchid, easily grown, and good for commercial purposes. I have seen it knocking about here in various places for 27 years. Mr. Langnell, at H. A. Massey's place, has, amongst many others, a Phalaenopsis Schilleriana just opening, with 85 blooms, and there is another at the Normal School in the same state with 95 blooms. Mr. Chambers, too, has a large collection at Exhibition Park in the West End, but it is too far off for a busy man to run out there this time of year. Mr. Glitherson, with J. Hoskin, Esq., has another large collection and always has some good things to show. This is the place where Joe Spring, now foreman of the big greenhouses at Pittsburg, once grew a Phalaenopsis Schilleriana with 164 blooms, the most, I believe, ever recorded. Mr. Houston's large collection at the Central prison was unfortunately entirely destroyed by fire there last fall.

More Club Meetings

At the annual meeting of the Electoral District Society the ancient and original board of directors were re-elected in about the time it takes to write this paragraph. However, it being understood that the board intends to devote more of its funds to horticulture and less to hogs, no objection was raised, and the meeting was very short and very sweet—quite a "love feast" in fact.

I hear now that the first meeting of the Canadian Horticultural Association will be held in St. George's Hall, Elm street, on the 10th prox., at 9:30 a. m., for the purpose of organization and discussing future proceedings. The secretary (W. H. McLean, of St. Thomas) will send out notices to as many as possible shortly. It is desirable that every one who can make it convenient to attend will do so in order to make the association as geographically general as possible.

The last few days here have been dull, comparatively mild and rainy, and there is now very little snow left on the ground. Trade has been rather slack, but prospects for brightening up in two or three weeks are good. Prices remain about the same, with perhaps a tendency to descend in some lines. E.

BUFFALO.

A Fish Story.

It is highly proper that ornamental horticulturists should mention the weather, the condition of which makes so much difference to our crops and peace of mind. To describe what we have had to endure and the variety would occupy a column. I meant to tell you of the floods that have visited South Buffalo. They are expected in the springtime, but seldom in midwinter. Mr. Cowell had a steam tug to convey him to distant parts of his charge. However, "it's an ill wind that blows nobody good." Through open windows of several bowling alleys floated in with the flood many fine pickerel, and when the waters receded the fish forgot to float out, and a fine haul was made.

Supply Short.

The long-continued dull days have shortened up the supply of roses and carnations and both are holding their own so far as prices are concerned. Violets are getting very plentiful and there are more on the market than can be profitably disposed of. A recent visit to the busy mart of "Billy" Kasting showed us large quantities of these little beauties mostly from the Hudson River Territory; not only violets, but anything else you want is found there in quantity and quality to suit any section of the city or weight of your roll. If W. K. should not be home you will get equally well served by his manager, that much-traveled, accomplished cosmopolitan gentleman, Monsieur Stokes, late of Masholiland, S. A.

Florists Must Move.

There are rumors on the street that there will be an exodus of downtown florists to regions farther north, or as we would say, farther uptown. Some of the rumors are well founded. This is the inevitable and what has occurred in every city. As fashionable dry goods and other retail stores move up, and carriages no longer have need to carry their occupants into the congested part of the city, the florist must follow. It would not make any difference if all the flower stores were in one block for buyers of any consignor would all go there and if "Messrs. Jones & Son" were out of Beauties, "Brown the Florist" would be next door and, if disappointed there, "Messrs. Thrip & Spider" would be sure to have a fine lot.

A Rumor.

There was a still, small voice whispered but recently that there was a desire on the part of the public that the florists hold a flower show next fall, and it was accompanied with promises of patronage and support. I hope our President, W. A. Anderson (perhaps he has forgotten he is president), will call an early meeting and sound the opinion of all of us. Our citizens have had

a rest of three years and now should be ready to support it. Just here let me say, regarding the much-discussed "why flower shows are so hard to make even both ends meet," it is simply that flower stores, or rather their windows, are so attractive, the displays made more artistic than any display seen at a flower show, and the public know it. This is not an original conception, but that does not detract from its truth. We are certainly better equipped now than ever to hold a show, for we have as contributors the fine houses of the North Park, the fine decorative plants in Forest Lawn and the choice collection of the Professor at the Botanic Garden. If our president should call a meeting it is to be hoped that he would engage Mr. Adams or some other popular member to introduce us to our brother florists. What, with death, emigration, retirement, collapse and new blood, we would be most all strangers.

Visitors have not been plentiful. We record the visit of Mr. Anderson, of New Jersey, offering trees and shrubs, and the monthly call of Mr. Mott, who offers, in addition to his smile, everything from mushroom spawn to Phalaenopsis Rivertoniana. W. S.

BALTIMORE.

Business Slightly Improved.

Business has shown somewhat of an improvement. We still admit the awful truth that things are dull and not up to the season's demand, yet we are by no means discouraged.

The wholesale price-list remains about the same as last week, with perhaps a few exceptions. Owing to an excessive spell of cloudy weather good roses are somewhat scarce. Perles, however, are plentiful and of good quality. La France are coming in pale, while Brides, Kaiserin and Maids are scarce. Meteors are of moderately good supply, but have little demand. Beauties are exceptionally scarce. Carnations, though always in demand, are getting so plentiful that the commission men have to resort to cut rates in order to handle them all. Scotts, especially, are being shipped in profusion, but there is still a scarcity for good white varieties. Violets, though plentiful, are about equal to the demand. Home valley and tulips are now being shipped; also plenty of miscellaneous stuff.

Among the Retailers.

Among the retailers numerous small entertainments such as receptions and afternoon teas have taken their attention while on the other hand there has been not only a lack of transient trade, but the funerals have also been conspicuous by their absence. No fancy prices now prevail, as everything has reached rock bottom.

The Markets.

The markets presented a dismal appearance when the writer visited them Saturday afternoon. The inclement weather prevented many of the stallholders from putting in an appearance, while it played havoc with the trade of those who did venture out. The pedestrians were even few and far between, the cold, drizzling rain having frightened them away also. Little business was done and disconsolance reigned supreme. On a clear day during Lexington market hours a continuous throng parades the streets along the shopping district to the market-house, from all points of the compass; and one passes en route, stall after stall of miscellaneous collection of cut flowers, plants and immortelle work. There one sees competition on every side, with a motto of "Undersell or else be undersold." A select few, however, have their regular customers and are above the influence of this antagonistic spirit.

Various Items.

At a recent visit to the greenhouse of Mr. A. Stoll, his sons, Messrs. Adolph and Leopold, courteously showed the undersigned over the place. These gentlemen grow a miscellaneous lot of stuff for market sale, principally Perles, violets, carnations, smilax, bulbous stock and potted plants, all of which are looking in good condition. They are, however, having exceptionally bad luck this season with diseased Harrisii bulbs, about 75 per cent having completely gone back on them. They look in perfect health until they attain the height of about 18 inches, when the crown becomes deformed and withered. Their entire range of houses have recently been equipped with a new hot water heating apparatus.

Messrs. Samuel Feast & Sons have a bench of Allen's Defiance mignonette varying from 24 to 36 inches tall and showing hundreds of flowers 7 to 10 inches long. This is the first year that the firm has grown this variety to any extent, and they are more than pleased with their experiment.

Mr. Samuel S. Pennock, of Philadelphia, paid us a flying visit last week. He is looking extremely well and is as genial as ever.

Mr. Ernest Ashley is now in town and, as usual, on the hustle.

C. F. F.

BOSTON.

Weekly Exhibition Mass. Hort. Society.

At the weekly exhibition of the Massachusetts Horticultural Society Carl Blomberg, gardener for Oakes Ames, Esq., showed a very fine Dendrobium Wardianum, a fine specimen with bulbs four feet long and well flowered, for which he was awarded a gratuity. Mr. Clinkaberry, gardener for J. E. Roebling, Esq., Trenton, N. J., sent a seedling cypripedium of great merit named President McKinley, a cross between Cyp. insigne Chantinii and Harrisianum superbum, for which he was awarded a first class certificate of merit as a new American seedling. John Mutch, gardener for J. E. Rothwell, Esq., Longwood, showed a nice healthy bit of Cyp. Leeanum var Rothwellae, Odontoglossum Cyro-glossum with a fine spike about three feet long containing about 24 fully developed flowers, and Vanda Caerulea in fine flower, for which exhibit he was awarded a gratuity.

Mrs. E. M. Gill, Medford, staged an exhibit of miscellaneous cut flowers, among which were some fine blooms of Coelogyne cristata. Mr. Geo. B. Brown, gardener for James L. Little, Esq., Brookline, showed Bignonia diversifolia, which was very attractive with its masses of orange scarlet flowers. W. E. Coburn, Everett, showed three dishes of Chinese primula flowers of good size and texture. James Comley, superintendent for The Hayes Estate, Lexington, made his usual attractive display by showing a piece of Philodendron Andreanum in flower, four vases of seedling acacias and some fruit of the guava (Psidium Cattleyanum) and a jar of jelly made from some fruit, which was a very delicate flavor, and was awarded a gratuity.

The usual Saturday lecture was given by the Hon. Aaron Low, of Hingham, the subject being vegetable growing and originating new varieties, which brought out considerable discussion. There was a very good attendance.

Exhibition at the Flower Market.

The carnation exhibition held at the Boston Flower Market was well attended and some very fine flowers were shown. The most attractive variety exhibited was a seedling raised by Peter Fisher, Ellis, Mass., which he has named Mrs. Thos. Lawson, an exceedingly large flower, 4 to 4 1-2 inches across, bright clear pink, with a good calyx holding the flower in perfect shape, never bursts. He also exhibited a very good yellow named Klondike, and Morning Star, a very fine white, deeply fimbriated and very fragrant. Mr. C. W. Ward, Queens, L. I., made a fine exhibit, as follows: John Young, a fine white, large and good form; White Cloud, very fine; Storm Queen, a very good flower and deeply fimbriated; Bon Ton showed up in great shape, a dazzling scarlet on strong stems; Mrs. James Dean, fine pink; New York, very fine; Mrs. G. M. Bradt, extra large flowers; Gomez, very large dark flower about 3 1-2 inches across, very fine, said to be a sport from Maceo; Gold Nugget, good yellow. Sewall Fisher, of Framingham, exhibited Servia, a white of good form and substance. A. Roper, Tewksbury, Mass., exhibited two varieties, Mayor Quincy, a very fine pink, good flower, for which he was awarded honorable mention at the Massachusetts Horticultural Society show, and May Whiteley, a variety on the style of Daybreak, but deeper in color and with a charming fragrance. Wm. Simm, of Cliftondale, showed a vase of Edith Foster, a very fine flower, pure white, excellent form and substance.

J. D. Twombley, Winchester, showed

BUY YOUR COCOS SEED FRESH.

Our main shipment has just arrived. Cocos Weddelliana, $7.00 per 1000 seeds. Write us for special quotations on large quantities.

We can now offer a limited quantity of **ASPARAGUS SPRENGERI DORMANT FIELD GROWN ROOTS**

for spring delivery. 1 year, $5 per 100; 2 year, $10 per 100; 3 year, $15 per 100; 4 year, $25 per 100.

ASPARAGUS SPRENGERI SEED; new crop to arrive, per 1000	$10.00
ASPARAGUS PLUMOSUS NANUS SEED; new crop on hand. Per 1000	10.00
CANNA AUSTRIA; strong, field grown pieces. Per 100	8.50
CANNA ITALIA; strong, field-grown pieces. Per 100	7.50
All other leading varieties of Cannas at equally low prices.	
SPIRAEA ASTILBOIDES FLORIBUNDA; the best variety for pot plants. $5 per 100, per 1000	45.00
BERLIN LILY OF THE VALLEY; selected pips. $10 per 1000. Per case of 2500	23.50
GLADIOLUS THE BRIDE. 60 cents per 100, per 1000	5.00
PEARL TUBEROSES; selected long bulbs, 4 to 6 inches in circumference. Per 1000	7.00

If you want only the very best strains of Florists' Flower Seed, such as Verbenas, Asters, Sweet Peas, etc., send to us.

CLUCAS & BODDINGTON CO.,

TELEPHONE CALL 403 18TH ST. 501 & 503 WEST 13TH ST., NEW YORK CITY.

a very fine vase of Buttercup, well grown and good flowers. J. H. Leach & Son, North Easton, a vase of well grown Daybreak. H. A. Cook, Shrewsbury, put up a vase of his No. 1 Seedlin 1897, a very fine, delicate pink, large flower of good form and substance. Patten & Co., Tewksbury, showed Edith Foster, remarkably well grown, also F. Mangold, an excellent dark variety. W. C. Stickell & Co., North Cambridge, had a fine vase of Jahn's Scarlet, of good color and fine flowers. J. Tailby & Son, Wellesley, exhibited a vase of their seedling Wellesley, a brilliant scarlet, the flowers measuring in the regular growth 2 to 2 1-2 inches, also three seedlings, one white, one very dark crimson, and one scarlet, all good flowers. Mr. Littlefield, of Worcester, staged for Wm. Swayne, of Kennett Square, Pa., a vase of a brilliant crimson, "Empress," large, well formed flowers and from the strength of the stems shows a very robust habit.

C. Besold, Mineola, L. I., showed Mrs. Francis Joost, a good flower much after the style of Scott. H. F. A. Lange, Worcester, a good vase of Storm King. Mr. Nicholson, Framingham, staged a very fine white named Genesee, a cross between Daybreak and McGowan, of excellent form and good substance; this variety was sent from Harmon & Burr, Darien, N. Y. He also staged for R. Witterstaetter, Sedamsville, O., a vase of Evelina, a very large fine white of beautiful form and texture. It was in excellent condition after three days' travel.

There were no prizes awarded at this exhibition, but there will be several silver cups to be competed for at the February exhibition.

Various Items.

Visitors to the Hub: C. H. Maynard, representing the American Jadoo Co., Philadelphia; Albert McCullough, of J. M. McCullough's Sons, Cincinnati, O.

Warren Ewell, of Dorchester, is now bringing in a quantity of finely grown bulbous plants in pans and pots, and finds ready sales among the retail stores.

Cypress Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

Write for Circulars or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

A Visit to North Easton.

A few gentlemen interested in horticulture recently paid a visit to Mr. Carl Blomberg, gardener to Oakes Ames, Esq., to see his very fine collection of orchids and other plants, and it was certainly a treat.

The center house holds a general collection of palms, ferns, dracaenas, etc., all of which are in a very healthy condition and among which may be mentioned Begonia Rex gogoensis. Although not new, still it is not grown as much as its merits deserve. Also B. Smaragdina, a striking variety with rich velvet green foliage, and Imperials, also very fine deep velvet green with rich velvet green foliage, and Imperialwards, we see suspended from the roof a quantity of choice orchids, some just past flowering and others showing a profusion of flowers. We noted some exceedingly fine Dendrobium Wardianum with bulbs four feet long and showing a dense profusion of flowers. Mr. Blomberg says they are an extremely fine variety, with large flowers and fine color.

We were escorted into his treasure house as he calls it, and verily may it be called so, for here he has some exceedingly choice and valuable varieties. Here was arranged a fine lot of Cattleya Trianae, healthy and in most magnificent flower, among which may be noted a very distinct and beautiful variety named Lilian Chatman, a very large flower, petals and sepals pure white, citron yellow throat, and rosy carmine lip, a very superb variety. Also in good condition and well flowered were Cattleya Trianae virginalis, Speciosisima, and Chocoensis, and some fine pieces of Trianae with from thirty to forty flowers open at one time and four to six flowers on one bulb. The cypripediums are also a choice and select lot, among which are some beautiful and rare varieties such as Bellona, W. W. Lunt, Charlesworthii, Niobe, Dayanum, bellatulum album, Amesianum, etc. We noticed that Carl or his attendant in this department had been at work fertilizing, trying to gain that much sought for new variety which may forever immortalize his name. The odontoglossums were also looking fine and will at a little later period repay with a display of beauty the amount of attention which has been devoted to them. C. H. J.



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And Florists' Supplies,

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JOBBERS IN ALL KINDS OF .....DESIRABLE

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It is not what you pay for the extra select stock, but what the extra select stock pays you.
Bear in mind that the best is the most economical.
It pays to trade at headquarters and the greatest house in America.

We will handle the entire output of the Klehm Nurseries

..70,000 Novelty Tulips..

This is a sure seller; once you try it you will never be without them
You can order them from any broker as we sell to them all. Price.. 5c.

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P. AND D. AT COST.

	Per 100
Am. Beauties, medium	$20.00
Am. Beauties, fancy, fair length	35.00
Beauties, long	50.00
Meteors, extra select	$7 to 10
Brides, Maids, extra select	$7 to 10
Meteors, Bride, Maid, good average	$4 to 6
Perles, extra select	$4 to 6
Roses, our selection	$4.00
Callas Harrisii	12½ to 15
Romans Narcissus	$2 to 4
Adiantum	75c to $1
Asparagus	per string, 50c. to 65c
Galax	per M, $1.50
Common Ferns	per M, 2.00
Violets	$1 to 1.25
Valley, our specialty, the best	2 to 4.00
Smilax fine	10 to 12½
Carnations, extra select	$2.00
Carnations, white	2 to 3
Carnations, good average stock	1½c to 2
Carnations, our selection	1.00

Common Ferns 500 sold at 1000 rates.

Finest Valley That Grows!

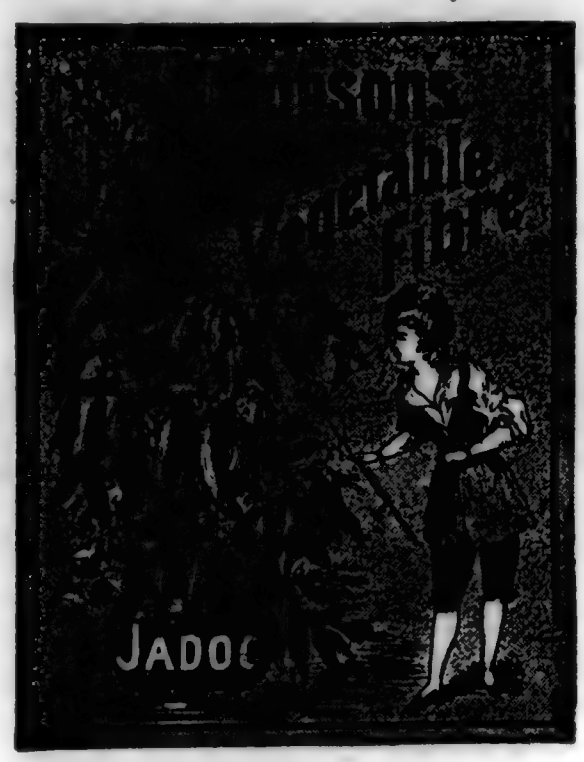
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THIS YEAR'S CUSTOMERS MUST BE OURS NEXT YEAR.

Asparagus Always on Hand.
All Flowers in Season at Lowest Market Rates.
Store open until 6:30 P. M. week days, until Noon Sundays and Holidays.
We always ship extra select or high-grade goods unless otherwise ordered.

THE VALUES WE GIVE ARE OUR BEST ADVERTISEMENTS....

About Jadoo



Protected by Letters Patent of the U. S. dated Nov. 26, 1895
Trade Mark Registered.

The purpose of the soil in which plants are grown is two-fold,—it acts as a support for the plants, and as a storehouse of the food and moisture by which the plant is nourished. The ideal soil, then, is that which will support the plant firmly and present the greatest amount of nourishment for the plant, and in such form that the plant may most readily absorb it. But to go a step farther, the soil must be of such a nature that the roots,—the absorbers and collectors of the plant food,—may penetrate it freely and develop in proportion to the needs of the plant.

While it is true that earth has the property of containing and retaining plant food, yet it is also true that it contains it but sparingly in most cases, and gives it out with equal reluctance. Soil has but little power to retain moisture. Its density retards proper root action. And above all, the soil which will sustain one species of plant, may be totally useless for others.

All these facts may sound trite to you, but they serve as a good basis of comparison between the merits of soil and those of the two most wonderful products of modern horticultural science,—the new potting material, JADOO FIBRE, and its companion watering material, JADOO LIQUID.

Jadoo fibre is peat moss impregnated with a combination of all the elements necessary to sustain and nourish plant life of every description. It weighs but half as much as an equal bulk of earth, —and while it forms a firm root support, it allows the roots to develop freely and penetrate it thoroughly in their search for nourishment. The chemicals which it contains are of such a nature that the plant finds its food in the most available form,—and bear in mind, it is a REAL food that it finds, not merely stimulants. But, you say, will not the plant suffer from overnourishment? Will it not take too much food and exhaust not only itself, but the Jadoo Fibre also? Experience has shown that this is not the case. The extraordinary growth of plants in Jadoo Fibre simply shows the result of ideal conditions, and the marked difference between Jadoo-grown plants and earth-grown plants is merely another proof of the inefficiency of earth. While its wonderful retentive properties enable Jadoo Fibre not only to hold a far greater amount and variety of plant food than earth does, these same properties prevent this food from being drawn off any faster than the plant requires, and Nature has taken care, on her part, that the plant shall neither overfeed nor take such food as is not suitable.

Jadoo is not a manure. It is not a special fertilizer. It is a substitute for earth, an improvement upon earth, a material in which not only one, nor twenty, but every variety of plant will grow more rapidly, produce finer blooms and foliage, remain in more uniform health, and require less care and attention than when planted in soil. Experiments have been made with almost every known species of plant, tobacco and vines, many vegetables, and some varieties of trees; and in every case the improvement in the condition of these plants was so marked as to need no pointing out.

One remarkable feature of Jadoo Fibre lies in the fact that plants grown in it may be transplanted, with practically no danger of flagging. This is undoubtedly due to the fact that it retains moisture a great deal longer than soil, and also to the fact that in transplanting, the ball of Jadoo Fibre adhering to the roots of the plant furnishes it with nourishment while it is adapting itself to its new conditions. The wonderful lightness of Jadoo Fibre makes it invaluable for use in window boxes, hanging baskets, and plants grown for decorative purposes. Being cleanly to handle and absolutely free from offensive odor, it is especially desirable for house plants. A plant in Jadoo Fibre will grow in a pot two sizes smaller than that required for earth, and a plant will continue in Jadoo Fibre without needing a shift, more than twice as long as it would were it planted in earth. Seeds germinate and cuttings strike in it in a marvelously short time.

Now, in regard to Jadoo Liquid.

Jadoo Liquid is a highly concentrated solution of the elements which enter into Jadoo Fibre, the proportion of these elements being slightly changed. It is used, diluted with water, in the

proportion of one part Jadoo Liquid to 48 parts water. We conscientiously believe it to be the best liquid fertilizer made. It is easy and clean to handle. Its composition never varies, thus avoiding all possibility of mistakes in its use. The next best thing to planting a plant in Jadoo Fibre is to water it with Jadoo Liquid, and even plants in Jadoo Fibre will continue far longer before needing a shift if Jadoo Liquid is used in watering them.

It possesses the same good qualities as Jadoo Fibre of increasing root action, improving foliage and blooms, and bringing the plant to a higher stage of development than could be attained by any other known means.

Not only is it the best liquid fertilizer, but the cheapest, as reference to our price list will show. When you consider that one gallon will produce 49 gallons of liquid fertilizer you can readily understand the justice of our claim.

Of course, its action upon plants grown in earth, while remarkable, will not be so great as on plants grown in Jadoo Fibre, for the reason above given, that the density of earth retards proper root action. At the same time, the results will be astonishing to anyone who has never used it before.

These claims of ours are not merely on paper. They are borne out by the testimonials from which we quote, representing the experience of amateurs, florists, growers, and scientific men in England, France, Germany, Holland, Denmark, our own country, and, in fact, practically every part of the civilized world. To try Jadoo Fibre and Liquid is to use them,—to use them is to become their firm friend. Since May, 1897, we have received testimonials from all parts of the United States. Jadoo Fibre and Liquid, as well as plants grown in them, have been awarded prizes as follows:

National Chrysanthemum Society, London, England, November, 1895.

Devon and Exeter Horticultural Society.

Torquay Horticultural Society.

Liverpool Horticultural Society.

Royal Aquarium, Westminster, London.

New Orleans Horticultural Society, November 1896; 11 first and 3 second prizes.

Exeter Horticultural Society, April, 1897.

Bordeaux Agricultural College, June, 1897.

Society of American Florists, Providence, R. I., August, 1897, (honorable mention and recommendation for trial).

The Monmouth County Horticultural Society, September, 1897:

First Prize for 6 Specimen Crotons.

First Prize for Best Center Piece for Table.

First Prize for 6 Specimen Plants of Dracaenas.

Special Certificate of Merit for 6 Phrynium Variegatum.

Special Certificate of Merit for Rustic Work.

Society of Vine Culture, Cognac, France, September, 1897.

Durban and Coast Agricultural Society, South Africa, September, 1897.

Pennsylvania Horticultural Society, Philadelphia, November, 1897:

10 First Prizes for Chrysanthemums.

1 Second and 1 Third Prize for Chrysanthemums.

3 Prizes for Crotons.

1 First Prize for Asparagus Sprengerii.

1 Second Prize for Asparagus Sprengerii..

1 Special Prize for Dracaenas.

1 Prize for Window Box filled with Ornamental Foliage Plants.

Bordeaux, France, November, 1897: Silver Medal for Chrysanthemums.

Birmingham, England, (Bingley Hall), November, 1897: Special Certificate of Merit for Jadoo Fibre and Liquid, and First Prize for Cyclamens.

The Pennrock Co., Wilmington, Del., Winners of the largest Prize at the Exhibition of Pennsylvania Horticultural Society (November, 1897), say:

"In regard to your inquiry about Jadoo Liquid and Fibre we beg to state that we used it this last season with good results. We grew our exhibition plants of Chrysanthemums, which took first prize at the Pennsylvania show, in soil up to ten-inch pots. In those sized pots the plants became very sick and all the leaves turned yellow. We then shifted them into Jadoo Fibre, and the result was simply wonderful. The plants quickly regained lost vigor and the leaves gradually assumed their natural green color. On becoming potbound, we used the liquid twice a week, and this was all the fertilizer we used. We have had excellent results also with Asparagus Sprengerii, Crotons and large Ferns, grown in the Fibre, and shall use it more extensively hereafter."

The following is a list of plants grown in Jadoo Fibre or watered with Jadoo Liquid, that were awarded prizes at the last exhibition of the Pennsylvania Horticultural Society:

CHRYSANTHEMUMS — Plants — 6 plants, 6 varieties, single stem. First Prize to Pennrock Co., Wilmington, Del.

SPECIMEN PLANT, white, not above 14-inch pot. First Prize to Wm. Robertson, gardener to John W. Pepper, Esq., Jenkintown. This plant had 84 large blooms, with fine foliage all along the stems down into the 13-inch pot, and was raised in Jadoo Fibre and watered with Jadoo Liquid.

SPECIMEN PLANT, any other color, (Pink), not above 14-inch pot. Second Prize to Wm. Robertson, gardener to John W. Pepper, Esq., Jenkintown. This had 82 blooms and foliage all along the stem.

SIX PLANTS, Pink, one variety. First Prize to Pennrock Co., Wilmington, Del.

SIX PLANTS, Crimson, one variety. First Prize to Pennrock Co., Wilmington, Del.

CUT FLOWERS—Chrysanthemums—Six Blooms, Pink, one variety named. First Prize to Pennrock Co.

Six Blooms, one variety named. First Prize to Pennrock Co.

Six Blooms, White, one variety named. First Prize to Wm. Robertson. Grown in bench in Jadoo Fibre and watered with pure water.

Six Blooms, Pink, one variety named. First Prize to Wm. Robertson. Grown in bench in Jadoo Fibre.

THREE VASES, 12 Blooms each, one white, one yellow, one any other color, distinct varieties, named for the "Castle Knoll Prize," to Pennrock Co.

SIX BLOOMS, any other color, one variety named. First Prize to Wm. Robertson. Grown in Jadoo Fibre.

CROTONS, Display of 12 plants, 12 varieties. First Prize to Robert Craig. Second Prize to John A. Shellem, of Philadelphia. Mr. Craig told our Mr. Hamburger that the largest of these plants were grown in Jadoo Fibre. Mr. Shellem's were also grown in Jadoo Fibre.

CROTONS—Specimen Plant — First Prize to John A. Shellem. This plant was grown in Jadoo Fibre with admixture of soil.

ASPARAGUS SPRENGERII—Hanging Basket. First Prize to Pennrock Co. Second Prize to John A. Shellem. Both grown in Jadoo Fibre.

DRACAENAS—Special premium to John A. Shellem for collection of Dracaenas. These were grown in Jadoo Fibre with admixture of soil.

Window box filled with ornamental foliage plants for house decorations. Prize to Pennrock Co.

Were we to say all the good things that could be said about Jadoo Fibre and Liquid, or were we even to reprint all the good things that others have said about them, we would have to use space many times larger than this. We can only echo the advice of the Society of American Florists,—try them. As the price list shows, they are not expensive. A small trial package means a small outlay, but the returns in satisfaction, plant health, and monetary profit,—if this latter is a consideration to you,—will more than repay you. We have no fear of the results if you give them a fair trial,—you will simply become another of their host of friends.

Hornellsville, N. Y., Dec. 7, 1897.

I have seen plants on exhibition at the Philadelphia, Boston, Chicago and London shows, but I have yet to see plants grown in geranium pots equal to those of which I send photographs.

The plants were grown by me for Mr. W. A. Wettlin, by whom I am employed. They were not grown for exhibition, but merely to test the value of "Jadoo," and were not given extra attention.

The single stem plant was struck in Jadoo Fibre and flowered in a 3-inch pot,—the photographer makes it appear a 5-inch pot; he also is to blame

SPECIMEN PLANT GROWN IN JADOO.

"The illustration is from a photograph of a specimen plant of 'Miss Florence Pullman,' grown in Jadoo Fibre by William Robertson, gardener for John W. Pepper, Esq., Jenkintown, Pa., and shown by him at the exhibition of the Pennsylvania Horticultural Society, November 9 to 13 last. He received first prize for it in the class calling for best specimen plant, white. The plant had 84 blooms, averaging 6 inches in diameter, the specimen itself measuring about six feet through, each stem being well foliaged right down to the pot."



CHRYSANTHEMUM MISS FLORENCE PULLMAN.

Mr. Robertson gives his method of treatment as follows:

"The cutting was struck in January and put in a 4-inch pot about the first of February. Five weeks later it was shifted into a 6-inch pot; in May being given another shift into an 8-inch pot, in pure Jadoo Fibre. Later shifts were made, in the same material, and about August 1 the plant received its final shift into a 13-inch pot, in which it was exhibited. When the buds were set I started watering with Jadoo Liquid according to directions about twice a week, gradually increasing the strength until the blooms were half developed, when a little of the Liquid in a much weakened form was given. Altogether I used about half a gallon of the Liquid on the plant."

for the unsightly stake, as the plant never had a support until it reached his hands. It may interest you to know that "Jadoo" has given much satisfaction, especially with Petunias, Gloxinias, Rex Begonias and Asparagus; Cyclamens also seem to like it, but they have not had a fair trial. Beside a batch of Mums, which struck nicely, I also had successful results in striking Pelargoniums and a batch of Pandanus Veitchii.

Respectfully,
(Signed.) James Power.
Care Wettlin.

Mr. LEONARD BROWN,

Hon. Sec. National Amateur Gardeners' Association.

Brentwood, England, 2nd Dec., 1897.

"I have used Jadoo Fibre with the best results possible for Ferns, Cannas, Arums, Hyacinths, Tulips, in fact, for Bulbs of all sorts. I find the material most suitable for spring flowering Bulbs, as the pots get quite full of roots before the top growth commences, a condition that goes a long way towards success. Lilies, too, have been particularly good; not only did they flower unusually well as regards both size and colour, but the Bulbs are in a splendid condition for next season. I have also used Jadoo for propagating from seed and cuttings with good results, seeds germinating very quickly when sown on the fibre. I consider Jadoo to be of the greatest assistance to the Amateur, more particularly to those who are engaged in business during the day, as much less water is required, and consequently more time can be given to other work."

Wyncote, Pa., Nov. 30, 1897.

The American Jadoo Co., Philadelphia, Pa.

Gentlemen:—I have been using Jadoo for several months with great success. Some of my Chrysanthemums which won first prizes at the Exhibition of the Pennsylvania Horticultural Society this November were grown in Jadoo Fibre, and I noticed that the foliage was much darker than in the others, and clean to the bottom. My single bloom Chrysanthemums are grown in 4-inch pots, and measure six inches from tip to tip.

I have a Ficus Variegata in Jadoo Fibre in an 8-inch pot that measures five feet six inches in height, and two feet five inches across, and I consider it a good specimen plant.

I have had excellent results with Palms, and especially Ferns. With Dracaenas and Crotons in a sickly condition in earth, by putting them in Jadoo Fibre the result is extraordinary, so that plants that I hitherto threw away, I now save and make fine plants.

I find also that Jadoo Liquid is wonderful in getting immediate results in all plants, whether in earth or in Jadoo Fibre. I have Asparagus Sprengerii, Rex Begonias, Begonia Rubra, Anthericum, Dieffenbachias, Dracaenas. Grevillea Robusta, Pandanus Veitchii, Araucaria, all doing finely in Jadoo Fibre. The Araucaria was dying and foliage falling off when I put it in Jadoo Fibre, and it is now recovering speedily and throwing out new growths. I also note that my Chrysanthemums in Jadoo Fibre are much fresher to take stock from than those in earth. I can highly recommend the Jadoo Fibre and Jadoo Liquid for the above list of plants, all your claims being fully sustained as far as my experience has gone.

(Signed.) George Middleton,
Gardener for Mr. C. H. K. Curtis.

(Extract from "Success with Flowers," Dec. 1897.)

WONDERFUL RESULTS WITH JADOO FIBRE AND JADOO LIQUID.

"The recent Exhibition of the Pennsylvania Horticultural Society, at Horticultural Hall, Philadelphia, brought forward some wonderful results obtained from the use of Jadoo Fibre and Jadoo Liquid, the new potting material and liquid fertilizer. After such practical demonstrations of the real merit of these new materials, there no longer exists a doubt that they are destined to play an important part in the advance of floriculture, both as a recreative art, as well as from a lucrative standpoint. Such results as were obtained from their use at this Exhibition stamped them at once as infinitely more valuable than any other potting material or liquid fertilizer. Flower lovers in general are ever ready to welcome practical improvements that will enable them to get better and surer results from the plants they love. It was a noticeable fact that the finest flowers shown at the Exhibition referred to above were either grown in Jadoo Fibre or watered with Jadoo Liquid."

(Extract from "The Weekly Florists' Review," Dec. 2, 1897.

JADOO FIBRE.

"This substitute for soil in growing plants seems to be meeting with much favor with those who have given it a trial. Many of the prize winning plants and flowers at the recent Chrysanthemum Show of the Pennsylvania Horticultural Society, Philadelphia, were grown in Jadoo Fibre, and the superb Crotons shown at the Providence convention by Robert Craig, Philadelphia, were also grown in Jadoo. These Crotons will linger long in the memory of all who saw them. Perfection seems the only word to apply to both growth and coloring. Mr. Craig attributed his success to the Jadoo Fibre in which they were grown. It is certainly worthy of a trial by every one who grows plants and flowers."

(From "American Gardening" of June 12th, 1897.)

During the past year there has been placed upon the market a new soil and a new liquid manure, namely, "Jadoo Fibre and Jadoo Liquid," and my experience in the use of them has convinced me of their genuine merit. For some years I have had charge of an extensive commercial establishment in the city of Philadelphia, and to meet the sharp competition of to-day I have been continually on the alert for that something that will produce plants as near perfection as possible, with the least trouble and expense. I have found it in Jadoo.

In one year, instead of using it by the pound, we are now using the fibre by the ton, and the liquid, instead of by the pint, by the hogshead. All our decorative palms and also those for the market, are potted in "Jadoo." The root and top growth is 100 per cent better than we ever had them in ordinary soil; they keep moist for days at a time, are light and cleanly to handle, and that means much when you have an extensive decorating trade.

In the past we lost many plants from the drying out process they received in hot, dry rooms; now they come back moist and fresh as the day they are sent out, which means a saving of hundreds of dollars annually, both in plants and pots, as the pots used are much smaller when Jadoo is employed.

During the present season I have used it for germinating all my seeds, such as Petunias, Lobelias, Aralias, Ardisia, Grevilleas, Thunbergias, Phlox, Asters, Begonias, Gloxinias, Verbenas and so on, and I find it admirably adapted for the purpose. It is so fine and light that the most delicate seeds push through it with ease, and so retentive of moisture that when watered upon the date the seed is sown, will be found sufficiently moist until they are well up; and if pricked out of the seed boxes into Jadoo there is no danger of the plants wilting; they take to it and grow immediately, even if placed directly in the sun. Something which cannot be claimed for the most carefully prepared soil. When you are ready to place them in pots they lift from the boxes with a fine ball of fibrous roots and Jadoo.

All our spring bedding plants have grown better, bloomed better, and what is more, were all ready to sell from ten

ASPARAGUS SPRENGERII.

The plant of Asparagus Sprengerii shown in the accompanying picture is the one which took first prize at the recent Chrysanthemum Show of the Pennsylvania Horticultural Society. The plant was only in a six-inch pot last spring, and during the month of June got a shift into an eight-inch pot. The potting soil up to this shift was rotted sod and manure with some sand in proper proportions. Shifting into a ten-inch pot, half Jadoo and half soil was used, and for the final shift pure Jadoo. The plant was watered a few times with the Jadoo Liquid 48 to 1, and grew quickly and strongly. No special care was exercised in its culture; in fact, a good many of the long sprays were cut for decorative greens.



ASPARAGUS SPRENGERII.

In potting Asparagus Sprengerii we do not ram the soil so tight as for palms, etc., believing that only a medium tight potting allows the large corms and fibrous roots more room to develop properly. We have faith in the future of Jadoo Fibre and Liquid but they must be used with intelligence and common sense.

PENNROCK COMPANY,
Wilmington, Del.

to fourteen days earlier than those which I grew for comparison in prepared loam.

Outside of Europe I have never seen really good Tuberous Begonias; this year I potted them all up in Jadoo and they are magnificent to-day—large flowers of fine color and immense foliage—just as I love to see them, and they are selling rapidly. Our only regret is that we did not grow more of them.

The Gloxinias are coming along in the same manner, and Fuchsias grow and bloom in it in fine style. Ficus elastica has the size and dark green to the foliage not obtainable with ordinary soil. You say roses require a heavy soil; that is the general opinion and practice, I know, but I can show you President Carnot rose growing in Jadoo, and foliage, stem and flower attest its superiority over heavy soil. Crotons flourish and color immediately they are removed from the cutting bench.

Last Easter week saw our Hydrangeas unsurpassed, if equalled, in Philadelphia. I attribute it to Jadoo Liquid applied once a week—one part liquid to forty-eight parts clear water. It is without doubt the cheapest and most efficient, and what is more, safest, liquid fertilizer on the market today. All the species of Asparagus make a rich growth in Jadoo, and for hanging baskets it is unsurpassed.

To the amateur I would say, grow all your plants in Jadoo. It is cleanly to handle and you don't have to stand over it with a watering pot. You can go away for a day and come back and find them moist and fresh—not dried out and dead or permanently injured, as has been too often your experience with soil, and during the winter months in rooms heated with hot, dry air you will find that Jadoo Fibre and Jadoo Liquid is all I have found them to be.

James S. Reid.

Philadelphia, Pa.

(Extract from the "Florists' Exchange," Sept. 25th, 1897.)

EXPERIENCE WITH JADOO.

"In the early part of 1896 I was the recipient of a new soil (if I may so term it), called "Jadoo Fibre," and along with the fibre was a quart of liquid manure, called "Jadoo Liquid." (Jadoo, I think, is the Hindustanee word for Magic), and accompanying the goods was the request to subject them to a fair trial. To speak the truth, I was rather sketptical of its usefulness as a medium in which to grow plants, even though it had the unanimous endorsements of many noted horticulturists at home and abroad. Having the appearance of fibrous peat, I resolved to grow a few palms, ferns and pandanus in it, and carefully watch developments. In a few weeks the plants I had placed in Jadoo, by their clean vigorous growth, clearly demonstrated its superiority over soil prepared in the usual way for such plants. After the pots were well filled with roots, I applied Jadoo Liquid, in the proportions of one part liquid to 48 parts clear water, and these few plants continued to flourish, when under ordinary conditions a shift to a larger pot would be imperative. My employer and myself were fully convinced of the great merit of this new introduction, and the result of our conviction was the placing of an order for a larger quantity of Jadoo Fibre and a hogshead of Jadoo Liquid, and from that day we began to use it in earnest.

"Some growers assert that it is unnecessary to use a compost of peat loam and sand in which to grow palms, ferns, and kindred subjects of the stovehouse. My experience has taught me different. and the most successful growers of palms and ferns that I know to-day say such a compost is necessary. But since the introduction of Jadoo Fibre, I have abandoned peat and sand as too costly and use the fibre almost exclusively. My reasons for so doing are: It requires no preparation, being always ready for use, it retains moisture for a much longer period, it encourages better root action, and as a natural sequence the top growth is better, larger leaves of strong texture and deep green color, offering greater resistance to insects; it does not become sour or soggy. I find Jadoo admirably adapted for decorative plants of every description. They keep moist and fresh for days at a time in rooms heated to a high temperature by steam or hot air, whereas those grown in soil dry out very rapidly under those conditions, and soon become unsightly and unfit for decorating. Such is the experience of all who decorate to any extent with plants. I have used 'Jadoo' very successfully for hanging baskets and vases in cemeteries, plant boxes for windows and porches. It retains the moisture for a long time in situations exposed to the direct rays of the sun.

"I use it entirely for germinating seeds of every kind grown in a greenhouse. The surface never becomes hard or caked, and the most delicate seeds can push their way through it, besides it contains no weeds; and it seems to be free from fungus of any kind whatever.

"We have not yet commenced to grow orchids, but when the time comes for us to do it, Jadoo Fibre will be my choice of material in which to grow them. Throughout the past winter and spring I used Jadoo for our Hydrangeas, Begonias, both tuberous and fibrous rooted, Gloxinias, Crotons, Geraniums, Fuchsias, Ficus, Pandanus, Lilies, Roses, Carnations, and the host of other plants usually grown by the commercial florist, and it proved all that was claimed for it by the introducer, the plants grown in Jadoo being uniformly superior to those grown in ordinary loam.

"Our Hydrangeas were especially fine at Easter; to them I applied Jadoo Liquid once a week from the time the buds set until they began to assume color, with the result that the flower heads were of immense size; consequently we sold them all. My method of application is as follows: I have a tank in each house; I fill each tank with liquid and water and then apply through the Kinney pump at the rate of 16 to 1, maintaining the correct proportions of 48 to 1. I find it a cheap, efficient and safe liquid manure, which will give equally good results when applied to soil.

"In using Jadoo Fibre care should be taken to use smaller pots than you would naturally use for soil, and because of its spongy nature it requires to be packed firmly around the roots of all plants. Lastly, use common sense when watering, for I find it the easiest thing in the world to give it too much."

"James S. Reid."

(Extract from "American Gardening," Sept. 4, 1897.

JADOO FIBRE AND LIQUID.

"To the Editor of American Gardening:

"The workings of the human mind are similar among all the sons (and daughters) of Adam. We read an advertisement for months, for years perhaps, without taking in its full signification. Suddenly we are seized with the temptation to prove the merits of the advertised article, and we send our order forthwith. The above bit of philosophy is introductory to the story of an amateur's experience with Jadoo Fibre and Jadoo Liquid.

"The word 'Jadoo' was graven on my mind from having seen it in this paper every week for months. In the early part of July the thought struck me suddenly that I ought to give it a trial. I sent for a 120-pound bale of the Fibre and a 2-gallon can of the Liquid. Just at the time I received them, I also received from Costa Rica some tubers of fancy Caladiums which a friend sent me, thinking they were something indigenous to that country. Packed in wet sphagnum, they had made during their two or three weeks' journey a frail, sickly growth of about three or four inches. Two of the tubers were planted in rich soil and four in the Jadoo Fibre. Those planted in the Fibre immediately grew, the sickly white growth changing quickly to healthy green, handsome spotted leaves. Those in the soil made no additional growth, and finally died down entirely. I thought they were dead, but they sprouted again, and are now growing well, but not so freely as those in the Fibre.

"A Latania borbonica had been perishing for years from inanition, or some other occult cause, until it had dwindled down to nothing, and naught but a single point of green could be

discovered. On shaking it out of the soil, I found that every trace of root was gone. I immediately potted it in the Fibre. It picked up from that moment, and while the improvement is so slow as to be almost inperceptible, yet it really has made a new growth of at least two or three inches. My hired man is exceedingly pleased with it as a potting medium for Ferns.

"The cost of the Fibre renders its use impossible in the open border; although I wrapped the roots of some Crotons and Geraniums in it and planted them in the ground in the same bed as others, I cannot say that I notice any advantage in so doing.

"The Jadoo Liquid appears to be remarkably concentrated, and it must be diluted forty-eight times. This I have used about twice a week for plants in the open ground, in tubs, and in pots.

"Conditions vary so much in gardening that it is impossible to attribute to any one cause given results. My opinion is that for Roses in open ground this Liquid is very beneficial. For soft wooded plants and those grown in pots or tubs, there seems a possibility of its turning some of the lower leaves yellow, even diluted as freely as the above. Whether that result with tuberous Begonias, Abutilons, and some other plants, was due to the use of the liquid, or to other causes, I cannot positively say, however.

"My feelings in the matter may be summed up as follows: Every plant that I have in the house this winter shall be potted in Jadoo Fibre. It is clean to handle, light in weight, and will no doubt obviate bringing into the house many eggs of insects found in garden soil. Retaining moisture it obviates the necessity of watering so often. As it never bakes or gets matted, all my seeds shall be sown in it in the spring in boxes. For this purpose it is necessary to sift it. Amateurs should give it a trial. Perhaps more anon on this subject.

"L. C. L. Jordan, N. J."

(Extract from "Success With Flowers." Oct. 1897.)

OF INTEREST TO FLOWER GROWERS EVERYWHERE.

"We call the attention of our readers to Jadoo Fibre and Jadoo Liquid, for we believe they fill a long-felt want. We have tried them and the results have proven that they will do what is claimed for them. As many as thirty different earth mixtures are required for the different varieties of plants that are grown. To the amateur gardener it is next to impossible to know just what ingredients are necessary to combine with the soil to get the desired results, while with Jadoo Fibre you have only one material to deal with, and that is ready for use, and so clean that you need not soil your hands. Other advantages are that it is very light, requires less watering, and all kinds of plants seem to thrive in it. Jadoo Liquid is a safe and cheap Liquid Fertilizer that can be used on plants grown in soil or Jadoo Fibre. They are both very strongly endorsed in England and France, while in this country the endorsations received since their introduction this spring are simply marvelous. Our advice is, correspond with the American Jadoo Co., get their testimonials and prices, then do just as we did—purchase a small quantity of each and try them,—and we know you will be delighted with the results obtained."

(From "The American Florist," April 24, 1897.)

JADOO FIBRE.

If only one-half of what is claimed for this new potting material and fertilizer is true it is indeed an introduction of great value. From all accounts it appears to already have gained the good will of many prominent growers in England and elsewhere, and now that it is formally introduced and is to be manufactured in this country American horticulturists will no doubt give it the advantage of an impartial trial, and its value in various directions is likely to receive practical demonstration. From a number of well known florists in Philadelphia who have been experimenting with the material testimonials of interest have been received. At Julius Wolff's it has given astonishing results in its invigorating influence on root and top growth in foliage and flowering plants and ferns, and at Robert Craig's its effect on crotons and Pandanus utilis in comparison with other plants potted at the same time in ordinary soil is very marked. In striking cuttings and seed germinating, it appears also to have demonstrated its usefulness already.

Of one thing there can be no question that its lightness, cleanliness and retentiveness of moisture make it far preferable to soil for hanging baskets and for plants that are to be used in dishes and jardinieres for table or mantel decoration. Mr. Craig has a lot of four hundred Asparagus Sprengerii planted in this material in hanging baskets, and they are making a remarkable growth. Pres. Carnot roses at the same place which were shifted from thumb pots four weeks ago are now handsome plants in 4-inch pots well filled with roots. A bench of Crotons planted in Jadoo are being grown for exhibition at the Providence exhibition next August.

(From the "Florists' Exchange," May 29th, 1897.)

JADOO FIBRE AND LIQUID.

I think I was one of the first to try these substances in America. I have used them on almost every kind of plant that will do in this climate, from Geraniums to Orchids. Everything potted in the "Fibre" comes fully up to what is claimed for it. The growth is very rapid, the colors in flowering plants being much brighter than when the plants are grown in soil. Ferns do well in it. They grow very quickly and make very long fronds.

My experience with "Jadoo" is that all kinds of plants make twice as many roots in it as they do in earth; in fact, I think it would be hard to say what would not grow in it.

I used it last year on some stove plants, and so satisfied was I with the results that this year I have used nothing else but "Jadoo." It saves a great deal of watering. In using it I find it is almost impossible to pot too firmly. If the "Fibre" is dry I always dampen it; you can pot firmer by doing this. I give good drainage to all plants.

It is very good to mix charcoal and sand with it. Give the plants a good watering after potting and subsequently be very careful not to overwater, for if you do the plants will stand and go back. If used in a right way and at the right time the "Liquid" will soon speak for itself.

It is a simple article to use, but like many other new things you must understand something about it before you get the best results.

Harry Papworth.
New Orleans, La.

(From the "Florists' Exchange," July 17, 1897.)

PLANTS GROWN IN JADOO.

"On Thursday last Henry F. Michell had at his store an exhibition of plants grown in Jadoo Fibre and watered with Jadoo Liquid, most conspicuous among the lot being a splendid lot of Gloxinias in five and six-inch pots, which were grown by Julius Wolff, Jr. These were all well-flowered and of brilliant colors. The bulbs were started in boxes in March, being covered with Jadoo, were potted in April and watered with the Jadoo Liquid all along. Among the other plants growing in Jadoo was a nice lot shown by Robert Craig. There were some very good Crotons, an Areca Lutescens, a Cocos Weddelliana, Pandanus Utilis, a basket of Asparagus Sprengerii and a Carnot rose. These were all in splendid condition. Henry F. Michell has already sold over five tons of Jadoo at retail."

(Extract from "The Florists' Exchange," Dec. 25, 1897.)

JADOO.

"The American Jadoo Co., Philadelphia, Pa., sends us some literature on the subject of their specialty, including a report on results with Jadoo in France, and Jadoo Liquid and Fibre for market gardening purposes. It appears that some very satisfactory results have been obtained in France, by viticulturists and others, from the use of these substances. The pamphlet treating on the adaptability of Jadoo Fibre and Liquid for market gardening purposes gives some practical pointers worth knowing. It is averred that by the use of Jadoo Fibre a gain of two weeks can be made in getting truck to market. The popularity of the Jadoo materials in other lands may be learned from the subjoined extract from a letter sent us by the president of the company, Mr. S. Hamburger:

"' We have been advised that the Austrian Government has ordered ten tons of Jadoo Fibre for experimenting in viticulture and two tons for experimenting with tobacco. In two years the trade in France has grown so large that the Jadoo Company, of England, has been compelled to erect a factory at Bordeaux to supply the French demand; their factory at Teignmouth, with a capacity of six tons of Fibre and 500 gallons of liquid per day, being taxed to its fullest capacity to supply the English demand.' "

Palm Villa, New Orleans, March 17, 1897.

You ask what results we have had with "Jadoo" Fibre and Liquid in connection with Palms and Ferns. So far everything has done better and with less trouble than we have ever had before. The Ferns make extraordinary roots, as well as top growth; they make longer fronds and better color in "Jadoo." Palms do much better in it than in soil. I have tried it on rare and choice plants only. The Palms in it make larger leaves and better color. In all establishments where stove plants are grown I would strongly recommend "Jadoo;" it brings out their true color. Everything I have tried in "Jadoo" Fibre and Liquid have given more than satisfactory results. I would be pleased if you would ship me by Morgan Line, 6 sacks of "Jadoo" Fibre and 20 gallons of Liquid as soon as possible, and oblige

Yours truly,

Harry Papworth,

Gardener to Mrs. T. G. Richardson.

(Mrs. Richardson is said to own the finest private collection of Palms and Ferns in the United States.)

HARRY PAPWORTH,

Palm Villa.

Second and Prytania Streets, New Orleans, Nov. 17th, 1896.

I have made a thorough test of "Jadoo Fibre" and "Liquid" this last six months with plants, namely: Chrysanthemums, Dracaenas, Anthuriums, Marantas, Palms, etc., and all I can say is I do not think there is anything on the market that will give such practical results as "Jadoo Liquid" and "Fibre."

At our Chrysanthemum Show last week, I won five first prizes out of six entries. These plants were all grown with "Jadoo Liquid."

Some of my twelve-inch specimen plants were grown in "Jadoo." Most of my six-inch plants were grown in "Jadoo Fibre." I exhibited six large specimen plants of a variety that I never thought much of before until this year. These six plants won the First Prize with strong competition, and they were pronounced to be the only true pink in the exhibition. They were all fed with "Jadoo Liquid" only.

The leaves on the Anthuriums I exhibited were all very large and a good color, greatly admired; all grown in "Jadoo."

The Judges' verdict was, "Jadoo is a good thing."

In my report to the Florists' Exchange, N. Y., I have mentioned "Jadoo Fibre." I won eleven First Prizes and three Second out of fourteen entries at the show, with the aid of "Jadoo."

ROBERT CRAIG,

Florist.

(Vice President Pennsylvania Horticultural Society.)

Forty-ninth and Market Streets, West Philadelphia, Pa., Nov. 30th, 1896.

We tried Ferns, Cyclamens, Palms and Crotons in "Jadoo." We could notice no better growth in the three first named than when grown in our ordinary compost, but the Crotons did do surprisingly well, making very large, vigorous plants in comparatively small pots, I want to try more of it, if not too expensive. What is it worth by the ton?

Roaring Spring, Pa., Oct. 19th, 1897.

The American Jadoo Co.

Gentlemen:—I received the box of Jadoo Fibre you sent me some time ago, and am greatly pleased with it.

I have been experimenting for some years to find a first-class medium in which to germinate the Cupid sweet peas for bedding stock, but with indifferent success, until I tried the Jadoo Fibre, which I find to be a perfect medium. Every seed planted in it germinated, and the seedlings are flourishing finely.

I have also tested it for Ferns, and Palms in my house, and with the Jadoo Liquid added, they are already showing a great improvement. I shall take great pleasure in recommending the Jadoo Fibre and Liquid for the above purposes.

Respectfully,

(Signed.) Sam. A. Hamilton,
Sweet Pea Expert.

LARGEST HORTICULTURAL ESTABLISHMENT IN AMERICA.

New Rochelle, N. Y., May 18th, 1897.

Messrs. Siebrecht & Son say: "We have just received the last shipment of 'Jadoo.' We must say without doubt it is the grandest material for potting Palms, Orchids and Stove Plants ever introduced. We have tried everything in the market and have failed to find its equal. We notice the difference in the growth of everything —broader foliage, strong growth, and of a beautiful dark green foliage."

E. B. MARTER, Jr.

Vegetable Plant Grower.

Burlington, N. J., Nov. 12, 1896.

I tried the sample sent me of "Jadoo Fibre" and "Liquid" with Tomatoes, Cabbage, Pepper and Egg Plants, and will say they all grew very well after being transplanted and treated with your "Jadoo."

E. T. DENHAM. Florist.

Dealer in Bulbs and Choice Plants.

Pansies a Specialty.

16 Marshall Avenue, Gloversville, N. Y., June, 28, 1897.

The American Jadoo Co.

Having given your Jadoo Fibre a trial since the middle of May, I find it answers all my expectations. My Palms and Ferns are looking very well, and my seedlings of Grevillea Robusta are growing amazingly in it. I have potted a choice lot of seedling Chrysanthemums in the Fibre and they are doing splendidly. The Geranium cuttings struck very quick, in fact I am satisfied that it is a very good thing for florists.

Yours very respectfully,

(Signed.) E. T. Denham.

ARUM LILY.

This Arum Lily was planted over three years ago in JADOO FIBRE.



The potting material has not been renewed, nor has any fertilizer been used during this period. It has bloomed profusely each season. After 26 days in transit from Teignmouth, England, to Philadelphia, arriving in November, it bloomed for the second time in one year.

Note the Root Action!

336 West Franklin Street, Germantown, Philadelphia, April 2d, 1897.

I want to tell you my experience with "Jadoo," which I have used on some plants since Feb. 29th. The box I got from you then was so small that I could only put a few plants in it, so I decided to use it for those that were almost done for. I had an Orange Tree that had no leaves and one-half of it was entirely without life, a Begonia in the same condition, two (2) Geranium Slips that have been all winter without showing a single new leaf and barely keeping alive. I planted these in "Jadoo" Fibre, and now the plants are all healthy and both Geraniums have had flowers. I also had two (2) Maiden Hair Ferns which had died down; one of these I planted in "Jadoo" Fibre, and the other I left in earth, kept them together in the same room and watered them both well. The one in "Jadoo" is almost luxuriant now, while the other has but little life in it, and what it has, it got from being trimmed. I had an Umbrella Plant, which was almost dead after trimming. I did not have enough Fibre for it, but watered it with "Jadoo" Liquid (48 to 1), and now it has a dozen or more leaves and stalks, and the leaves are all green all the way to the tips, a thing which is rare for that plant when grown in a house heated with hot, dry air, as most houses are.

I have within a few days planted two (2) Palms in "Jadoo" Fibre, and am going to get some more from you for a Rubber Plant and a few others, and will let you know of the results.

Many people despair of keeping plants in their houses in winter, but I think "Jadoo" solves the question.

Very sincerely yours,

(Signed.) Saml. S. Sadtler.

Mrs. E. S. Starr, editress of the "Farm and Garden," "The Dairy and Apiary" and "Forestry" Departments of the "Public Ledger," of Philadelphia, says, under date of June 7th, 1897:

"For house plants in pots, hanging baskets and window boxes, the Jadoo Liquid is an incomparable food—a minimum quantity giving an exceedingly rapid and vigorous development.

"I could have answered some months ago for the wonderfully rapid growth, but was not sure that it would prove to be healthy as well. I find nothing to be desired, as the seemingly increased resistant power of the cell resulting from the vigor induced by the food renders the plant fed with it free from blight and other fungous attacks.

"I am indeed well pleased with my experience with the Jadoo Liquid. The Fibre I did not have the chance to test, as some one appropriated the sample sent to me."

David Rust, Secretary Pennsylvania Horticultural Society, says:

"Last spring I received from you samples of 'Jadoo Fibre' and 'Liquid.' I tried the 'Jadoo Fibre' with a large plant of the White Oleander and also with several plants of flowering Begonias. The plants have done much better than they would have done in common soil. They have made a remarkable root growth. The foliage has been more profuse and very healthy; they have also flowered freely and the flowering season has been prolonged. Another very good feature has been that the plants required less water than they would have done if grown in soil.

"I am now trying the 'Jadoo Liquid' on plants growing in the house, on which I will report at a later date."

December 4th, 1896.

A. P. SCHONEMAN.

1934 Mt. Vernon Street, Philadelphia, Nov. 12th, 1896.

Your favor of the 9th inst received. After a full and ample trial of the "Jadoo Fibre" and "Liquid," the best testimony is that they are just what the name implies—magic. All the plants on which I used the "Liquid" responded after three days' application, stimulated in color and growth. On a ten-year-old Pandanus (particularly slow growth), to which the "Liquid" was applied five weeks, developed more advancement than it would have acquired in two seasons, to the delight of my family and the surprise of the florist. A Cordelina (semi-orchid) hanging plant has grown so profusely that I have loaned it to the florist for exhibition purposes.

I find, also, that it is a complete destroyer of plant lice and all insect life; even scales on Palms disappear if washed with the "Liquid."

As far as the "Fibre" goes, I only experimented with two drooping plants, and in two days they showed renewed vigor and are now of good, fine appearance. I am pleased to add my testimony as to the remarkable quality of "Jadoo Fibre" and "Liquid," and am ready at all times to exhibit my plants to your friends.

GEO. GOEBEL, M. D.

(Vice President Pennsylvania Horticultural Society.)

1601 Columbia Ave., Philadelphia, Nov. 23, 1896.

By your kindness I have been the recipient of a quantity of "Jadoo," and since spring have given it an earnest trial, and the results which I have obtained have been most satisfactory, both for propagating as well as admixture to soil, and must say that it was a surprise to me to see how rapid cuttings rooted and with what progress plants attained growth.

Another feature was that soil mixed with "Jadoo" retained moisture for a long period of time and remained sweet, and it is therefore with pleasure that I would add my endorsement to "Jadoo."

J. HAGUE.

Gilroy, Cal., Nov. 9th, 1896.

Acknowledging past favors from you, I now beg to say that I have distributed a large portion of the "Jadoo" which I received from you some months ago. I have had it in constant use since its arrival at the Vineyard and Orchard Home here.

The persons who have tried it coincide with my opinion as to its value. We are all agreed that it can by proper methods have a large sale here. So satisfied am I that I am prompted now to enter into a correspondence with you with regards to the terms on which you would appoint me your exclusive agent for the Pacific Coast.

M. W. McCLELLAN.

Lakewood, N. J.,

writes under date of Nov. 11, 1897:—"I have some Pansy seed planted in Jadoo which is coming up finely, in about half the time it took in earth last year."

New York, Oct. 22, 1897.

American Jadoo Co., Philadelphia, Pa.

Gentlemen:—Please send me one bag of your Jadoo Fibre. It is one of the best preparations I have ever used for Palms and Ferns.

Yours truly,

(Signed.) James C. Menair.

Address, Bogota, Bergen Co., N. J.

Extract from letter of N. F. Peck, Hartford, Ct., of Oct. 27, 1897:—"I am using Jadoo, thus far, with much pleasure. I find it useful not only alone but in many combinations."

Society of American Florists.

This is to Certify that

American Jadoo Co.,

is entitled to

HONORABLE MENTION

for Jadoo Fibre and Liquid.

Exhibited at Providence R.I. August 18th 1897.

Adam Graham
President.

Wm J. Stewart.
Secretary.

Copy of Certificate awarded by The Society of American Florists, August 18th, 1897. In addition to the award the Committee recommended a further trial.

HINTS ON GROWING PLANTS IN "JADOO" FIBRE.

In sowing seeds in "Jadoo" Fibre an even surface must first be obtained, either by sifting the "Jadoo" Fibre, or by putting a little fine soil or sand on the top of it.

Seed properly sown in "Jadoo" Fibre is certain to come up. Every single seed will germinate, provided it has life in it when sown.

Necessity for Cleanliness in Pots.

It is especially desirable that the pots used should be perfectly clean, as otherwise the roots adhere to the pots, and the great advantage of the "root action" of "Jadoo" Fibre is spoilt by their getting broken when shifted to fresh pots.

Potting.

Use pots in all cases two sizes smaller than you would in earth.

In all cases use the "Jadoo" Fibre just as you would earth, but press it tight round the roots. If Fibre is fairly moist the plant will not require watering for three or four days, and be very careful not to over-water afterwards. If by accident plants get dry, soak them thoroughly by standing the pots in a tub of water with the chill off. Use pots for the final shift one-third less in size than if grown in earth—i. e., if a ten-inch pot would generally be used, put in a seven-inch one.

If transplanting from earth to "Jadoo" Fibre, let the plant get fairly dry, then shake off as much earth as possible without injury to the roots, and press the "Jadoo" Fibre firmly round the roots.

Ferns.

Pot very tight, and with A. Farleyense and other delicate Ferns mix a little sand with the "Jadoo" Fibre.

Primulas and Calceolarias.

It is better to use one-third loam mixed with two-thirds "Jadoo" Fibre for these plants, with a good sprinkling also of sand.

Liliums, Begonias, Hyacinths, in fact all Bulbs, do splendidly in "Jadoo" Fibre. Treat exactly as in earth.

Hard-Wooded Plants.

Such as Azaleas, Epacris, Camelias, etc., put the "Jadoo" Fibre very firm, using a free admixture of sand.

Chrysanthemums.

Use "Jadoo" Fibre exactly as you would earth. Last shift to be into 8-inch or 9-inch pots. Do not fill these further than two inches from the top of pot till the buds are set, then fill with "Jadoo" Fibre. When pots are full of roots (not before), water with dilute "Jadoo" Fibre, gradually increasing its strength.

Carnations.

Mix sand freely with the "Jadoo" Fibre. During the winter keep the pots in cold frames with boards under them, giving plenty of air, as a closed frame is the cause of "spot" in Carnations.

Orchids.

Use "Jadoo" Fibre in the same proportion as you would peat, with a little sand, moss and charcoal mixed with it. "Crock" the pots or baskets in the usual way. Use no water till the plant is established, and then sparingly, about once a week or so, according to circumstances. Dilute "Jadoo" Liquid will be found specially adapted for watering Orchids, especially aerial ones.

It must be remembered both with Orchids and all other plants grown in "Jadoo" Fibre, that over-watering is the chief thing to be avoided.

Bedding Plants.

Lobelias, Petunias, and other sorts raised from seed, should be pricked off in boxes about two inches apart—they should be hardened off towards the end of May, when they can be divided and "planted out" in beds for the summer. No "check" whatever will be experienced by the plants when treated in this way, even if they are coming into bloom when planted out, and if watered in the ordinary day, they will flourish through the driest summer.

Lobelias and other annuals treated in this way form a perfect mat of roots in the boxes, which can be broken off without the slightest injury to the plants.

Cuttings.

Geraniums, etc., may be struck in "Jadoo" Fibre, either in pots or boxes, and usually root in half the time they would in earth, and also root much more strongly than in earth. If struck in boxes, they can be cut out into balls for bedding-out, when they will receive no check even in the driest season.

Table Decoration.

"Jadoo" Fibre is specially adapted for growing plants for table decoration. They should be grown in pots a size smaller than the china vases in which they are to be put on the table, so that they can be moved in and out of them without injury to their roots. Plants like Grevilleas can be kept in the smaller sized pots for years in "Jadoo" Fibre.

Window Boxes.

Grow the plants in pots in "Jadoo" Fibre until they are in bloom or showing their flower buds, then shake out and place in boxes, filling up interstices with "Jadoo" Fibre. The great advantage of this is, that the window-boxes look well at once, instead of waiting for plants to get established. Plants can be removed when out of bloom, and exchanged for others, without injuring those that remain.

Hanging Baskets.

Treat just the same as window-boxes. Besides being less than half the weight of earth, they never drip, the water being held as if in a sponge. This is often found a great advantage.

In this and many other ways in which "Jadoo" Fibre can be used, its excessive cleanliness and lightness make it invaluable. Even large pots can be handled by ladies with ease; in fact, it is an almost ideal material for ladies.

CONSERVATORY IN WHICH EVERY PLANT IS GROWN IN "JADOO" FIBRE AND WATERED WITH "JADOO" LIQUID.



Upon application we will send a handsome reprint of this conservatory showing all the plants in their natural colors.

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FOR MARKET GARDENING.

The Forcing Bed.

To raise uniform, strong and healthy plants for transplanting, the bed should be prepared with finely divided, moist Jadoo Fibre evenly distributed and packed to the depth of about an inch or more, according to the nature of the plant.

If the seed is small, sow evenly and not too thick, after which water it freely, to wash the seeds well down into the Jadoo.

Large Seeds

May be sown in the Jadoo either over the surface or in drills, and given a thin covering of Jadoo, well watered afterwards.

Asparagus From Seed.

Sow into a thick bed of Jadoo Fibre, cover with earth so that the Jadoo Fibre may not come within four inches of the surface. Asparagus will come to full bearing one year sooner in Jadoo Fibre than if the bed is made in the ordinary way, and will give a much larger yield.

Experience will soon show which plants to grow in pure Jadoo Fibre and which in Jadoo Fibre with loam mixed; also the quantity to be used and method of use. The chief point is to have a small quantity of Jadoo Fibre about the roots and covered with earth. When the fruit or vegetable is maturing, it is not amiss to water with Jadoo Liquid, diluted, forty-eight parts water to one part Liquid, gradually increasing the strength to twenty-four to one.

Cucumbers, Melons, Canteloupes, Citrons, Etc.

Use half Fibre and half loam in the holes or drills and cover the seeds with it. When well rooted, use Jadoo Liquid, at first diluted forty-eight parts water to one part Liquid and gradually increase the strength as the plants are "set" with fruit to twenty-four to one.

Mustard, Cress, Etc.

Sow in pure Jadoo and it will come up perfectly clean with no dirt adhering to the leaves.

Transplanting. Where Plants are Large,

They can be taken up with a ball of Jadoo attached to the roots. To this is added a small handful of Jadoo firmly packed about the roots in the hole and covered with earth. This will feed the plant through the strong root action it produces, will prevent flagging after transplanting, and will retain moisture during the long drought.

Celery.

Sow in frames in Jadoo Fibre; when planting out, put Jadoo Fibre at bottom of trench; this greatly improves clearness of skin and flavor.

When Plants are Very Small

Like Lettuce, the Jadoo should be mixed with loam, into which the roots can be pressed with the thumb and covered.

Fruit Trees, Grape Vines, Etc.

Imbed the roots well in Jadoo and fill in with earth. This will enormously increase the fibrous roots on which the fertility of the tree or vine mainly depends. Mildew in grapevines is due to drying out about the roots. Jadoo will prevent it.

Fruit Trees in Pots.

Every species of fruit tree will give a large return of fruit if grown in moderate-sized pots in "Jadoo" Fibre, and will require no feeding first year; afterwards, use moderate amount of "Jadoo" Liquid, but not till the fruit is set. In the case of Peaches and Nectarines, keep them in a sheltered place till the cold winds are over—covered, if possible, with an old light — then move to the sunniest part of the garden. The lightness of "Jadoo" Fibre makes this practicable.

Raspberries, Blackberries, Currants,

Etc., are treated in the same way.

Strawberries

Can be propagated as follows: Where it is desired to put a plant, stamp a hole in the earth with some tool that will shape it something like a three-inch flowerpot. Pack this hole full of Jadoo and train a runner from parent plant into it. It will take root and form a new and prolific plant.

Strawberries in Pots.

Root the runners in "Jadoo" Fibre; make the first shift in half "Jadoo" Fibre, half loam; afterwards use loam entirely. Flavor will be greatly improved by this, and even if the use of "Jadoo" Fibre is confined to rooting the runners only in it, a much stronger crown will be formed than if the runners are rooted in the usual way in earth.



APPLE TREES, GROWN IN

"JADOO" FIBRE.

One Apple Measures 15 Inches Round.

..CONCENTRATED..

"Jadoo" Liquid

...DIRECTIONS FOR USE...

Mix the Liquid in the proportion of **48 parts Water to 1 part Liquid. Shake well before mixing, and always shake before using.**

On Plants in Jadoo Fibre use the diluted Liquid only once or twice a week. On plants in soil use just as often as you would use water.

The American Jadoo Co.

817 Fairmount Avenue,

PHILADELPHIA, PA.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

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105 Hudson St.

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COPYRIGHT 1898.

The Cincinnati Post in its issue of January 13 printed an engraving of the new carnation Evelina and a portrait of Mr. R. Witterstaetter, with some very complimentary references to the carnation and its originator.

WANT ADVERTISEMENTS.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge. For particulars address A. H., care Florists' Review.

WANTED—A grower that is capable of growing general bedding stock; also roses, carnations, violets and mums. 10,000 feet of glass. Only competent party need apply. L. E. Hitz, Madison, Ind.

SITUATION WANTED—By married man, 28 years' experience in England and America. Private or commercial. Good references. Address John Dyer, Short Hills, N. J.

SITUATION WANTED—Having managed cut flower store two years with success, I desire to change position for larger concern by April 1. Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florists' Review.

SITUATION WANTED—By a florist, as working manager, to execute a new profitable enterprise. Expenses small, prompt returns, sterling worth. Communications confidential. At once; east, near New York. C. A. Ober, gardener, Parsippany, N. J.

FOR SALE—3,000 square feet of glass, in the state of Indiana; must be sold at once. Address "B," Florists' Review.

WANTED—A good rose grower, a working foreman who can grow Beauties. Give references. Address W. C., Florists' Review.

SIUATION WANTED—By a first-class grower of cut flowers and plants; also good designer and decorator; references. G. R. B., 310 Foote ave., Jamestown, N. Y.

SITUATION WANTED—By a practical florist and rose grower; specialty on fine roses, carnations, mums, violets, etc.; good designer; age, 38; best references. Address W. G., care 164 E. Main street, Alliance, O.

WANTED—At once, a good man for palms, ferns and orchids. Send references. H. F. Halle, 548 West Madison street, Chicago.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salary or commission basis. A first-class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—By competent man, in florist's store. Competent to take charge. Address Robert A. Betz, 10 Van Buren street, Chicago.

POSITION WANTED—By an English florist; 15 years' experience in U. S. and Europe. References. Full particulars to "Hustler," care Florists' Review.

SITUATION WANTED—By first-class rose, carnation and violet grower; married; reference given. Address The Muncie Floral Co., Muncie, Ind.

SITUATION WANTED—As foreman, by all around man, single, American; 9 years' experience, temperate; west preferred. Roses, care Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where fine cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

SITUATION WANTED—By a good German gardener, married, small family; was working in wholesale places; private place preferred; best of references. Paul Stoever, 75 Ward street, Chicago, Ill.

SITUATION WANTED—By young married man, age 27, who can grow orchids, palms and ferns. Address N. J. A., care United States Exotic Nursery, Short Hills, N. J.

FOR SALE—Buy now and save money. 21 greenhouses, nearly all modernly built, consisting of 65,000 square feet of glass, two acres fertile land. Steam heating plant and good water supply, stand pipes, etc. Stocked with roses, carnations, violets, miscellaneous stock, etc. A good established retail trade, consuming nearly all the stock produced in a city of 40,000 inhabitants, located in eastern Pennsylvania. Will sell for one-half price. Must sell on account of other business requiring present owner's personal attention. For further particulars address SSS, Care of Florists' Review.

SITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age, 38; married; best of references. Chicago, care Florists' Review.

WANTED, SITUATION—By a florist of 20 years' experience as maker up of designs or general greenhouse work; very best of recommendations. Joe N. Lawrence, Ottumwa, Ia.

SITUATION WANTED—By florist and gardener; private or commercial place; thoroughly competent; married. Address B., care H. A. Dreer, 714 Chestnut street, Philadelphia, Pa.

SITUATION WANTED—First-class rose grower; strictly temperate and willing to work; steady place; state wages expected and give references. Humfeld Floral Co., Ninth and Highland ave., Kansas City, Mo.

SITUATION WANTED—First-class grower of roses, carnations, violets, mums, wants a steady situation. Address Grower, 113, care of Florists' Review.

Wanted A good, reliable Traveling Salesman for the FLORISTS' SUPPLY LINE.
Address S. C., care
FLORISTS' REVIEW.

For the HIGHEST GRADE
Cut Flowers TRY
BASSETT & WASHBURN, Chicago

DREER'S
RELIABLE
Flower Seeds, Vegetable Seeds, &c., &c.
Plants, Bulbs, Cuttings, &c., &c.



"They're all right! They came from Dreer's"

Our Quarterly Wholesale Catalogue has been mailed to all florists. If you have not received a copy we will send one on receipt of business card.

Here is a short list of Flower Seeds of exceptional quality for present sowing:

	Trade Pkt.	Oz.
Aster, Giant White Comet	.40	$2.00
Aster, Queen of the Market, white	.25	1.00
Aster, Queen of the Market, mixed	.20	.75
Aster, Paeony Perfection, mixed	.30	1.50
Aster, Improved Victoria, mixed	.30	1.50
Aster, Semple's Branching, shell pink	.30	1.50
Aster, Semple's Branching, white	.30	1.50
Aster, Semple's Branching, lavender	.30	1.50
Aster, Semple's Branching, mixed	.30	1.25
Centurea Margaritae, new, large flowering, white	.40	2.00
Heliotrope, Lemoine's Giant	.50	6.00
Lobelia, Crystal Palace compacta	.40	2.00
Mignonette, Machet, select	.15	.50
Petunia, Dreer's Single Fringed	.50	
Petunia, Dreer's Double Fringed—500 Seeds, 75c; 1,000 seeds, $1.50.		
Salvia, "Bonfire" (Clara Bedman)	.50	2.50
Salvia Splendens, fine strain	.30	1.25
Verbena Mammoth, scarlet	.40	2.00
Verbena Mammoth, white	.40	2.00
Verbena Mammoth, pink	.40	2.00
Verbena Mammoth, purple	.40	2.00
Verbena Mammoth, mixed	.40	1.75

Get a Catalogue and look it over.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, - PA.

Valuable Greenhouses
FOR SALE.
A Rare Opportunity!

Seven Greenhouses in St. Louis County. with or without stock, for sale cheap. Owner has other interests requiring all his attention. A bargain. For further particulars address

E. H. MICHEL,
Care St. Louis Cut Flower Co.,
1620 Olive Street, - - St. Louis, Mo.

NEW YORK MARKET.

Week Ending January 22, 1898.

Am. Beauty, fancy, extra long stem, each	50c to 60c
Am. Beauty, extra, each	25c to 40c
Am. Beauty, No. 1, each	15c to 20c
Am. Beauty, Culls and ordinary, per 100	3.00 to 5.00
Brides, 1st, per 100	4.00 to 6.00
Brides, 2nd, per 100	2.00 to 3.00
Bridesmaids, 1st, per 100	6.00 to 8.00
Bridesmaids, 2nd, per 100	3.00 to 4.00
Meteors, 1st, per 100	6.00 to 10.00
Meteors, 2nd, per 100	2.00 to 4.00
Testouts, 1st, per 100	6.00 to 10.00
Testouts, 2nd, per 100	2.00 to 4.00
Morgans, 1st, per 100	4.00 to 6.00
Morgans, 2nd, per 100	2.00 to 3.00
Cusins, 1st, per 100	4.00 to 6.00
Cusins, 2nd, per 100	2.00 to 3.00
Perles, per 100	2.00 to 4.00
Carnations, per 100	1.00 to 2.00
Carnations, fancy, per 100	3.00 to 6.00
Valley, per 100	1.50 to 3.00
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	8.00 to 10.00
Violets, per 100	.40 to .75
Paper white narcissus, per 100.	1.00 to 2.00
Cattleyas, per 100	25.00 to 40.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	3.00 to 5.00
Von Sions, per 100	3.00 to 4.00
Smilax, per 100	6.00 to 10.00
Asparagus, per 100	50.00

Hot-Bed

Sash.

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We have in stock and can ship immediately:

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3 ft. 3 in. x 6 ft., 4 " 8 in. "
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Not glazed, 1¾ in. thick.

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Fine, large bulbs, per 100, $1.10; per 1000, $8.00.

76-78 Wabash Ave., CHICAGO.

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Taking Effect Monday, Jan. 31, 1898.

Subject to Change Without Notice.

We are headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary Selected Stock	per 100,	$1.50—2.00
Extra	"	3.00—
ROSES.		
Beauties, long	per doz.,	6.00—
" medium	"	3.00—
" short	"	1.25—2.00
Brides	per 100,	4.00—8.00
Kaiserin	"	4.00—8.00
Maids	"	4.00—8.00
Meteor	"	5.00—7.00
Perles	"	3.00—5.00
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum, short supply	per 100,	1.00—
Common Fancy	per 1000,	1.50—
Smilax	per doz, $1.25; per 100,	10.00—
Ivy Leaves	"	.50—
Galax	per 100, 15c., per 1000,	1.25—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
MISCELLANEOUS.		
Marguerites	per 100,	.75—
Mignonette	per bunch of 25,	.50—
Callas	per doz.,	1.50—
Harrisii	"	1.50—2.00
Romans	per 100,	2.00—3.00
Paper White Narcissus	"	3.00—
Valley	"	3.00—
Violets	"	.75—1.00
Tulips	"	4.00—6.00
Daffodils	"	5.00—

Extra fine lot of Wild Smilax now on hand.

All other seasonable stock at market rates.

Special Attention Given to the Shipping Trade.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

AMARYLLIS Veitch's Hybrids, immense flowers, extra large bulbs. Price, $4 per 12; smaller bulbs, $2 per 12; $10 per 100. Amaryllis Equestre, $4 per 100. A. Formosissima, $3 per 100.

ASPARAGUS SPRENGERI only 300 plants in 5-inch pots (ready for 8-inch) remaining. Price, $5 per 12; $40 per 100.

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GLOXINIAS Best English sorts, $3.

BULBS For Summer Blooming. Large assortment.

CALLAS Spotted leaf, $3 to $5 each; Black Callas, $4; Yellow, $30 per 100; Golden, $2 each; Purple fringed, $35 per 100.

CANNAS All the latest novelties at very low prices—200 varieties grown. Italia, $6 per 100; Austria, $3 per 100; Mrs. F. Rogers, $10 per 100; Philadelphia, $15 per 100. Send for list of novelties.

Japanese Morning Glory Seed. Direct importation and American grown, $3 per lb

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In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

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FLORA HILL Nothing in sight to touch it for commercial purposes..... **$5 per 100, $40 per 1,000**

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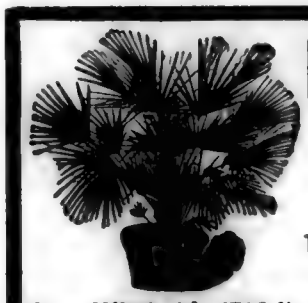


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JADOO.

That the Jadoo Fibre and Jadoo Liquid are worthy a trial by every grower of plants and flowers there can be no further doubt, in view of the experience of some of the most practical men in the trade. Anything so radical as a substitute for soil was naturally received cautiously, but the "proof of the pudding is in the eating," and this proof has been given by a sufficient number of growers to warrant the claims made for it. In the growing of pot plants the fibre has proven especially useful, and in view of the increasing demand for specimen flowering plants in pots, it will undoubtedly be very helpful. As noted by Mr. Herrington in our last issue, the fibre not only produces a finely flowered plant, but this plant can be grown in a very much smaller pot when the Jadoo fibre is used, and that this is a very decided advantage is indisputable. The Jadoo Liquid can be applied to soil if desired, and the same stimulating effect on growth and bloom be obtained, but of course there is no reduction in size of pot or weight of contents. It certainly is, however, a remarkable fertilizer.

Both the Jadoo Fibre and Jadoo Liquid have been used in England for several years. It is now being introduced to American horticulturists by the American Jadoo Co., 817 Fairmount Ave., Philadelphia, Pa.

A SIXTIETH ANNIVERSARY.

The annual catalogue of the old established and always up to date house of H. A. Dreer, Philadelphia, is always very welcome to the gardener and florist, and this year it is of special interest. In addition to a specially handsome catalogue, they issue an elaborately illustrated souvenir of their 60th anniversary. A most interesting engraving gives a view of Chestnut St., Philadelphia, showing the location of the original store 60 years ago. This glimpse of the olden time can not fail to be of much interest. There are also views of the present store, portraits of Mr. Wm. F. Dreer and six of the gentlemen associated with him, and a superb photographic view of the greenhouses and grounds at Riverton, N. J., in addition to other illustrations and interesting historical matter.

PEORIA, ILL.

At a recent reception of the Women's club, the decorations were unusually elaborate and effective. They were all in green and red, consisting mainly of banks of decorative plants, drapings of wild smilax, and poinsettias and American Beauty roses. The Peoria Evening Times pronounces the decorations the handsomest ever seen at this club. They were arranged by Mr. Chas. Loveridge, manager for J. C. Murray.

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WINTER & GLOVER

HIGH GRADE Cut Flowers

Properly packed and promptly forwarded.

FULL LINE OF WIRE DESIGNS AND FLORISTS' SUPPLIES.

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500,000 FEET OF GLASS.

WHOLESALE GROWERS OF CUT FLOWERS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.

Write for Prices on.... ....Rose and Carnation Rooted Cuttings.

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Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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Cut Flowers and Florists' Supplies.

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FINE ROSES—Shipped Carefully to all Parts of the Country.

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Special Attention paid to Shipping Orders.

BOXES Oil Cloth Lined, Bouquet...

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WRITE FOR PRICES.

In the 1898 catalogue of Messrs. W. Atlee Burpee & Co., Philadelphia, just to hand, are listed quite a number of striking novelties, including nine new sweet peas, the star of which is of course Burpee's Pink Cupid. The catalogue contains 144 pages and is a very useful handbook for the gardener and florist. It may be had free upon application.

VAUGHAN, McKELLAR & WINTERSON

A. L. VAUGHAN
CHAS. W. McKELLAR
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WHOLESALE CUT FLOWERS

PLANTS.
BULBS SEEDS
AND ALL
FLORISTS' SUPPLIES

MANUFACTURERS OF
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MAMMOTH
Verbena Seed.

Verbena Mammoth Seed in 100 colors up-to-date, $1.00.
Coleus, 2 1-2 in. pots, 10 best varieties $1 per 100.
Send for price list of Carnations, Geraniums, Feverfews, Salvias, Coleus, Cannas and Gynra or Velvet Plant.

The Morris Floral Co.,
MORRIS, ILL.

Cyperus Alternifolius

Fine, 2½ in., at.....$2.00 per 100
Cinerarias, 3 in., at..... 3.00 per 100
Cash with order.

GEO. L. MILLER, - Newark, Ohio.

EVERGREENS

Specimens for Pots and Winter Decorations.
Send for Descriptive Catalogue and Trade List

SAMUEL C. MOON,
MORRISVILLE, - BUCKS CO., - PA.

PALM Seed. Fresh on Hand.

	100.	1000.	3000.
Cocos Weddeliana.....	$1.25	$10.00	$27.50
Musa Ensete	1.25	10.00	27.50
Pandanus Utilis	1.50	12.50	35.00
Asparagus plumosus nanus (true).	1.50	12.50	35.00

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THE BEST FOR ALL Florists

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seed Stores.

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CHAS. W. JACOB & CO.
DIRECT RECEIVERS OF
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WRITE US for Samples and Prices for any Quantity.
NO. 63 PINE ST., NEW YORK.

ROGERS PARK FLORAL CO.
Wholesale Growers of
CUT FLOWERS.
All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, - CHICAGO.

Carnations Chrysanthemums
New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
Address
H. WEBER & SONS, Oakland, Md.

ROSE HILL NURSERIES,
JUST ARRIVED!
COCOS WEDDELIANA,
$7.50 per 1,000; 5,000 lots, $36.00.
SIEBRECHT & SON, New Rochelle, New York.
New York Office, 409 Fifth Avenue.

Seedlings and Cions
APPLE GRAFTS
Of Apple, Cherry, Pear and Plum
Low Prices. Send list of wants to
D. S. LAKE, - - Shenandoah, Iowa.

GRAND RAPIDS, MICH.

The Florists' Club.

The Florists' Club held a meeting January 18 at Mr. and Mrs. Henry Smith's, on West Bridge street. Previous to meeting the members took pleasure in inspecting the greenhouses, which are in fine shape, everything so neat and clean, the plants so healthy and vigorous, bespeaking good management and that close attention to details which insures success. The rose houses were exceptionally fine; his Brides, Bridesmaid, Perles and Wootons being as fine as it is possible to grow them anywhere.

Henry Van Velde read a paper on Violets, which drew out a fusillade of questions and answers, as all are deeply interested in violet culture. The disease received a good share of attention; there is no remedy save hand-picking of the leaves as fast as they become affected. One member said he picked so many leaves off there were not enough left to sustain the plants. The best remedy is to start out with good healthy plants, then do our utmost to keep those plants in good healthy condition. Solid beds versus benches met a diversity of opinion, some preferring solid beds, others benches. Some say one way is as good as the other, provided suitable drainage is used for solid beds, with soil not too heavy.

The question, "Can they be grown under glass successfully all summer?" was answered in the affirmative, Crabb & Hunter having one bench grown in that way very successfully, although the method of removing the glass in summer is preferable. The soil used is two parts clay, one part black muck and one part cow manure. Pot up runners in March and plant direct to the bench in June and July. Some claimed good success from planting in the field first. The sash should be put on from September 15 to October 1 in this locality, according to the weather. The temperature should be 40 to 45 degrees at night, a little higher day time; in dull, cloudy, damp weather, it is preferable to run the temperature as low as safety will allow, so as not to induce a soft growth of foliage, which is weakening to the plants.

The committee on banquet reported having effected arrangements with the Eagle Hotel for holding it there Tuesday evening.

Geo. F. Crabb resigned as vice-president and Wencel Cukerski, the city florist, was elected in his stead. Mr. Crabb was then elected reporter. The next general meeting will be held at Alfred Hannah's, on East street, near Burton avenue, the subject being roses; essayist, Henry Smith.

After a bountiful repast a vote of thanks was tendered Mr. and Mrs. Smith for their kind hospitality.

Geo. F. Crabb.

Always mention the Florists' Review when writing advertisers.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
Cut Strings, 8 to 10 Feet Long, 50 cts. Each.
Shipped to any Part of the Country.

TELEPHONE 1496.
A. L. RANDALL
Don't Forget
.....that we are at the old number, 126 Dearborn Street. Write for special quotations on large orders.
126 DEARBORN STREET, CHICAGO
Wholesale Florist.

W. E. LYNCH,
...Wholesale Florist...
The right kind of stock, packed in the right way, delivered at the right time, and at the right prices.
19-21 Randolph St., CHICAGO.

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Telephone .....Main 3208
Agents for..... HINSDALE ROSE CO.
WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES
88 and 90 Wabash Ave., - Chicago

HEADQUARTERS FOR
AMERICAN BEAUTIES
BASSETT & WASHBURN, Chicago

GIVE US A TRIAL WE CAN PLEASE YOU.
HEADQUARTERS IN WESTERN NEW YORK
ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist....
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.

50,000 SMILAX by mail, 50 cents per 100; $4.00 per 1,000.....
GERANIUMS mixed, from 2 in. pots, $2.25 per 100; $20 per 1,000. Send for samples.... Cash with the order.
FRED. BOERNER, CAPE MAY CITY, N. J.

Mention the Florists' Review when writing advertisers.



Rooted Cuttings.

We are booking orders now for the following Roses and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them. Send your orders in now.

ROSES.

Brides . . . . . .
Bridesmaids . . .
Meteors . . . . . .
Kaiserins . . . .
La France . . . .
Perles . . . . . .

$1.50 Per Hundred

Do not write for other kinds for we do not grow them.

We shall have abundance of nice plants later in the season.

CARNATIONS.

	PER HUNDRED	PER THOUSAND
Flora Hill	$5.00	$40.00
Jubilee	3.00	25.00
Mrs. Geo. M. Bradt	6.00	
Triumph	3.00	25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

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Greenhouses and Residence:
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store.....88 Wabash Ave., CHICAGO, ILL.
Long Distance 'Phone Main 223.

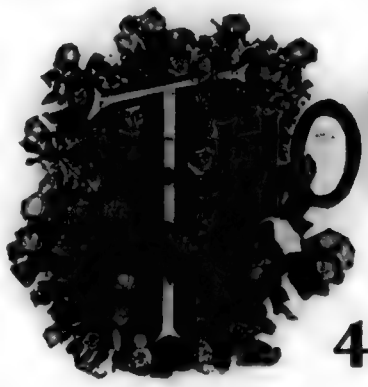
"CATS FOR SALE!"

Cattleya trianæ, extra fine blooms,

$6.00 per 12. $40.00 per 100. 25 at 100 rate. These flowers have been specially "set" for shipping.

SUPPLY UNLIMITED.

Prime American Beauties, Carnations, Violets, Paper White Narcissus.



THOMAS YOUNG, JR.

43 W. 28th St., New York.

Roses, Mignonette, Roman Hyacinths, Ferns, Asparagus, Etc., Etc.

WASHINGTON.

Trade Conditions.

Each week since New Year's has grown steadily worse for the trade. The retailers one and all have the same mournful tale of no business and say that the past month of January has been the worst ever known. A little stir was created the first of the week caused by the death of Commissioner Butterworth and the Charity ball, and then business dropped with a dull thud. The store windows are filled with bulbous stuff, but there is no demand for it.

Government Competition.

There were several entertainments during the past week in high life, yet the services of the florists do not seem to have been needed to make them successful. The firm of Uncle Sam perhaps got the order. I saw his delivery wagons quite busy last week, loaded with palms, and heading in that direction. It seems as if those in charge of the Department of Agriculture and other plant-growing establishments under the government, have at last concluded that of all sections of these United States, the District of Columbia is the most suitable—soil being the best I presume—for experimenting with the many varieties of plants; the best results seem to be obtained here, if not in the growth of the plants, at least in their distribution. From the frequent deliveries, I would infer that the soil was not suitable to them and that it would be well to try another section of the country before certain varieties become extinct.

A Daily Paper Acts.

The Washington Post, which has the largest circulation of the morning papers and is a fearless and strong paper, has come out in a strong editorial in favor of the Washington florists in their fight against the free distribution of flowers by the government.

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SPECIAL OFFER

	OZ.	LB.
Sweet Pea Cupid	$0.25	$1.25
All choice other Sorts.		.50

Delivery included.

JAPAN IMPERIAL MORNING GLORY SEED.

Choice single	$0.25	$2.00
Choice semi-double and single	.50	3.00

Extra rare semi-double and double 100 seeds, 50c.
Asters, Cosmos, Mignonette, Stocks, Verbena, etc

PALM SEEDS.

	100	1000
Kentia Forst and Belm	$0.75	$6.00
Cocos Wedelliana	.90	7.00
Musa Ensete	1.00	8.50
Asp. Plumosus Nanus	1.20	10.00
Pandanus utilis	1.50	12.00

Net. Delivery included.
All sorts Phoenix and Brahea Seeds fresh.

BULBS

Excelsior Pearl Tube Roses. Best in market.	100 $1.00	1000 $7.50
Delivery included.	100	1000
Aurats, 9x11	$4.00	$35.00
Rubrum, 8x9	3.50	30.00
Rubrum, 9x11	5.00	45.00
Album, 8x9	5.00	45.00
Album, 9x11	6.00	50.00
Longiflorum, 5x7	2.00	15.00

Lily of Valley Berlin 1000, $10.00 or case 2,500, $23.00. Time to look out for

CYCAS REVOLUTA

for Spring delivery. We have supplied these to growers for fifteen years. Write for prices. PALM LEAVES and other material for decorations. Send for Price Lists.

(ESTABLISHED 1878.)

H. H. BERGER & CO.,
220 Broadway, N. Y.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

HOLLAND PLANTS ALWAYS ON HAND.

Azaleas, Lilium Speciosum, Bleeding Heart, Hydrangeas in sorts, H. P. Roses in the best sorts, Spiræa Japonica Compacta, Rhododendrons, Pæonies in Var., Pot Grown Lilacs, Clematis, Etc.

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P. OUWERKERK, 1123 Summit Ave., Jersey City, N. J.

VERBENA SEED.

IMPROVED MAMMOTH

The largest flowering and finest strain in cultivation; all the best colors. Extra choice. Per trade pkt., 25 cts.; 3 pkts., 60 cts.; 6 pkts., $1.00. A pkt. of the New Compact Alyssum to every order.

JOHN F. RUPP, SHIREMANSTOWN,, PA.

If it's to be had in Chicago you can get it from Vaughan, McKellar & Winterson.

300,000 YOUNG ROSES 300,000

Ramblers, Climb. Malmaison, Climb. Wootton, Climb. White Pet, Pres. Carnot, and all standard Tea, H. Tea and Climbers.

Send for prices.

THE NATIONAL PLANT CO.,
DAYTON, OHIO.

You can get the best of both cu flowers and florists' supplies from Vaughan, McKellar & Winterson, Chicago.

PALMS. "Large Stock." "Perfectly Healthy."

ALL MEASUREMENTS ARE FROM TOP OF POT.

ARECA LUTESCENS.

3	Plants,	4-inch	Pot,	12 to 15	inches high,	per 100,	$20.00
3	"	5	"	15 to 18	"	"	40.00
3	"	6	"	24 to 32	" very bushy,	each,	1.00
3	"	7	"	32 to 36	" "	"	1.50
3	"	8	"	36 to 42	" "	"	2.00
3	"	8	"	42 to 48	" "	"	2.50
1	"	10	"	4 to 5	feet " "	"	5.00

COCOS WEDDELIANA.

1	Plant,	5-inch	Pot,	24	inches high,	each,	$0.75

KENTIA BELMOREANA.

2½-inch	Pot,	3	Leaves,	8 to 10	inches high,	per 100,	$14.00
3	"	4 to 5	"	10 to 12	"	"	20.00
5	"	5 to 6	"	18 to 20	"	each,	1.00
6	"	6	"	24 to 30	"	"	1.50
7	"	6 to 7	"	32 to 38	"	"	2.00

KENTIA FORSTERIANA.

5-inch	Pot,	4 to 5	Leaves,	24 to 30	inches high,	each,	$1.00
6	"	4 to 5	"	30 to 36	"	"	1.25

LATANIA BORBONICA.

2½-inch	Pot,	3 to 4	Leaves,	per 100,	$4.00	Per 1000,	$35.00
3	"	4 to 5	"	"	8.00	"	70.00
4	"	4 to 5	"	"	20 00		
6	"	5 to 6	"	18 to 20	inches high and wide,	each,	.75

JOSEPH HEACOCK, - Wyncote, Philadelphia, Pa.

Established 1857. Phone, L. V. 136.

GEO. WITTBOLD,



Tropical Plants.

1708 North Halsted Street,

CHICAGO, - ILL.

The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

PALMS.

Measurements, from top of pot to top of tallest leaf.

VARIETIES.	Size Pot, Inches.	Height, Inches.	Character Leaves.	Each.	Per Dozen.	Per 100.
Areca Lutescens.....	4	12—14	.....	.....	$ 3.60	$30.00
Areca Lutescens.....	5	30—34	8—10	$ 0.75	9.00	.....
Areca Lutescens.....	6	34—38	8—12	1.00	12.00	.....
Areca Lutescens.....	8	42—48	14—18	3.00	36.00	.....
Cocos Weddeliana..	3½	10—14	4— 6	0.25	3.00	.....
Kentia Belmoreana..	4	14—16	4— 5	0.50	3.60	30.00
Kentia Belmoreana..	5	16—18	5— 6	0.75	7.20	.....
Kentia Belmoreana..	6	20—24	3— 5	1.25	15.00	.....
Kentia Belmoreana..	7	36—40	5— 6	3.00	36.00	.....
Kentia Belmoreana..	8	48—50	5— 7	4.00	48.00	.....
Kentia Forsteriana.	4	18—20	2— 3	0.50	3.60	.....
Kentia Forsteriana..	5	20—24	3— 4	0.75	7.20	.....
Kentia Forsteriana..	8	50—54	4— 6	4.00	48.00	.....
Latania Borbonica...	3	12—14	1— 2	0.15	1.50	10.00
Latania Borbonica...	4	14—16	3— 4	0.25	3.00	25.00
Latania Borbonica...	5	18—20	4— 5	0.50	5.00	40.00
Latania Borbonica...	6	18—20	5— 6	0.75	9.00	.....
Latania Borbonica...	10	36—40	8—12	5.00	60.00	.....
Phoenix Reclinata...	5	18—20	4— 5	0.50	5.00	.....
Phoenix Reclinata...	6	22—24	4— 5	0.75	9.00	.....
Phoenix Reclinata...	7	26—30	5— 6	1.00	12.00	.....
Phoenix Canariensis.	5	18—20	4— 5	0.50	5.00	.....
Phoenix Canariensis.	6	22—26	5 —6	0.75	9.00	.....
Phoenix Canariensis.	7	26—30	8—10	1.00	12.00	.....

FERNS.

Nephrolepis Exaltata	From 3-inch pots	.....	$ 8.00
Nephrolepis Exaltata	From 4-inch pots	$ 1.50	.....
Nephrolepis Exaltata	From 5-inch pots	2.00	.....
Nephrolepis Pectinata	From 4-inch pots	1.50	.....
Nephrolepis Pectinata	From 5-inch pots	2.00	.....
Nephrolepis Pectinata	From 6-inch pots	3.00	.....

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NATIONAL FLORISTS' BOARD OF TRADE
Organized for the Protection of Seedsmen, Nurserymen, Florists and kindred interests.

We Furnish monthly information
Make credit reports : : : : :
Make collections : : : : : :
Subscription to information department, $10.00 per annum. Special reports, 50c each. Collections made at regular rates.
271 Broadway....New York.
CORNELIUS S. LODER, Secretary.

WINDSOR, ONT.

The Horticultural Society of Windsor, Sandwich and Walkerville held its annual meeting here January 13. The inclemency of the weather prevented the majority of the fifty-four members of this flourishing floral society from being present.

The society is in a healthy condition, and the finances are greater than a year ago, says Treasurer Joyce, who presented a very encouraging report. Officers elected were: S. Lusted, president; T. P. Gavin, secretary; A. W. Joyce, treasurer.

President Lusted will call a meeting soon to discuss plans for the coming flower show this year. Also special inducements offered to new members who will take an active part under President Lusted's supervision, who takes a special interest in this thriving Horticultural Society. J. E. K.

BETHLEHEM, PA.

During Christmas week, George Charman suffered the sad bereavement of the death of his wife. His little child also died within five days. Great sympathy is felt for Mr. Charman by his many friends in the trade. E. A.

READING, PA.

John G. Brown has left this city, leaving his business at 123 South Fifth street in bad financial condition. It is reported that he has gone to North Carolina to try his luck raising tuberoses. E. A.

NATHAN SMITH & SON,
WHOLESALE FLORISTS
ADRIAN, MICH.
SPECIALTIES:
Chrysanthemums, Carnations and Violets.
Correspondence solicited.



New Carnations--------
WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums
MRS. C. H. PEIRCE.—Yellow. 35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White. 50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White. 35c each, $3.50 per doz., $25.00 per 100.
Send for Descriptive Price List. Ready January, 1898.
F. Dorner & Sons Co.
LAFAYETTE, IND.

Coleus ROOTED CUTTINGS
VERSCHAFFELTII and GOLDEN BEDDER. The finest and cleanest stock in the U. S. Write for prices and Price List No. 1.
SEAWANHAKA GREENHOUSES, Oyster Bay, N. Y.
J. C. LARK, Superintendent. WM. L. SWAN, Proprietor

FORCING SPIRÆA
Astilboides Floribunda.....$6.00 per 100
Multiflora Compacta..... 6.00 per 100
These are extra fine clumps, not divided. Also a limited quantity of Lilium speciosum album, roseum and rubrum; good for forcing—Holland grown. Orders entered now for hardy nursery stock, such as Clematis, Rhododendrons, Magnolias, Hardy Azaleas, Tree Roses, H. P. Roses, Pæonia, etc.
L. C. BOBBINK, Rutherford, N. J.
BRANCH OF THE Horticultural Co., Boskoop, Holland.

"ASPARAGUS PLUMOSUS NANUS."
....FRESH SEED NOW READY....
Special Price For 10,000 and Over.
WRITE FOR QUOTATIONS.
Sam'l. Feast & Sons. 228 N. Charles St. BALTIMORE, MD.

VICTOR CARNATIONS.
The best Pink Carnation in commerce and beyond doubt the most prolific bloomer. Perfectly healthy and clean, it being a much better variety than its parent, Daybreak, of which it is a sport.
We can furnish strong, well rooted cuttings at $5 per hundred. Cash with order.
SMITH & SONS,
Wade Park Ave. and Crawford Road, Cleveland, O.

Dreer's Special Offer of New Cannas



THE CREAM OF THIS SEASON'S INTRODUCTIONS

GOLIATH. The finest crimson extant, rich and dazzling, large bold flowers thrown just the proper distance above the foliage, dwarf and uniform in habit, never exceeding three feet in height, broad massive dark green foliage.....**75 cents each**

J. D. EISELE. A magnificent vermilion scarlet, overlaid with orange, a fine flower and the best of its color.....**75 cents each**

MENELEK. The finest of Crozy's recent introductions, remarkably free flowering, with good sized flowers of a rich nasturtium red, a color that will contrast well with all other shades.....**75 cents each**

FURST VON HOHENLOHE. An ideal yellow bedding Canna that is certain to please.....**50 cents each**

SAM TRELEASE. The nearest approach to a pure scarlet yet introduced, with almost perfectly round flowers which open out flat, almost like a single Petunia, the freest flowering Canna known to us and certain to become a standard sort...**35 cents each**

SUNRAY. An entirely distinct striped variety, ground color bright yellow, with stripes and dashes of bright scarlet running through almost to the edge of the petals.....**35 cents each**

We will furnish one each of the above select varieties for $3.00

For full descriptions of the above as well as all the leading new American, French and Italian varieties and a full line of standard sorts see our Quarterly Trade List which has just been mailed to all in the trade. If you have failed to receive a copy apply for same, enclosing your business card.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.

To Florists

wanting to grow ERICAS (Heath) we offer below the Two BEST EASTER VARIETIES.

Fine Bushy One-Year-Old Plants from 4-inch Pots.

Erica persoluta ALBA, $15.00 per 100.
" " ROSEA, $12.00 " 100.

Cash with Order. **A. SCHULTHEIS,** P. O. Box 78.

Larger plants two-year-old from 5 inch pots. - $35.00 per 100. You can bring this in flower for Easter. . No charges for packing.

College Point, L. I.

Save 25 per cent Duty.

NEW YORK, Jan. 1, '98.

MR. A. SCHULTHEIS,

Dear Sir:—We wish you a happy and prosperous New Year. At the same time we wish to say that the Heathers, Xmas and New Years, were the finest we ever handled. Yours very truly,

J. H. SMALL & SONS.

A RECORD BREAKER.

NEW CANNA, JOHN B. DUTCHER

Certificated by New York Gardeners' Society and Westchester Hort. Society. A first-class Canna superior to any crimson flowering Canna advertised or introduced to date. 3 1-2 ft. high, vigorous and good bloomer, $25.00 per 100 dormant eyes; $4 per 12 dormant eyes; 50 at the 100 rate. All stock controlled by Rowehl & Granz. We offer the dormant eyes up to Feb. 15th. Cash with order.

ROWEHL & GRANZ,
Hicksville, L. I., N. Y.

Live Sphagnum Moss

For Orchids, etc., $1.25 per bbl.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

GOOD STOCK!!

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (2-in.), $20 per 1000.

DRACAENA INDIVISA, 4-in., fine stock $12 per 100.
STOCK A No. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, O.

INSURE AGAINST FIRE IN THE

Florists' Mutual Fire..... Insurance Association

Address W. J. VESEY, Sec'y,
Fort Wayne, Ind.

Vaughan, McKellar & Winterson, Chicago, acknowledge no superiors in the packing of cut flowers for shipment.

LOUISVILLE, KY.

Installation of Officers.

Our newly elected officers were installed at a meeting held last week at the store of Mr. Henry Nanz. Our retiring president made some very appropriate remarks to the members present, thanking them for the kind assistance which they had given him during his term of office and asking them to continue the same to the new president. The incoming president was presented with a pretty little gavel, with his name engraved on a silver plate. The auditing committee read their report, which shows the society to be in good financial standing.

Mr. Witterstaeller had on view at the meeting some blooms of his carnation, Evelina. The flowers were very large and handsome and were greatly admired.

Quite a number of our florists have signified their intention of attending the meeting of the Carnation Society.

Business is very dull here at present. Romans and narcissus are this year a drug on our market.

SHARON, PA.

At M. I. O'Brien's greenhouses I found everything in fine condition except his roses, which are unfortunately badly infested with eel-worms. He has some fine seedling carnations, but does not intend putting them on the market.

His orchids are in fine shape and the cut for Christmas was large. He ships most of his flowers to Pittsburg. Local trade at Christmas was not up to expectations and the retail trade has been slow all winter.

At John Murchie's most of the glass is devoted to carnations. He has a sport from Tidal Wave that is like its parent in every respect except color, which is a pleasing shade of red. He also has a large number of seedlings. Silver Spray, as grown by Mr. Murchie, shows no sign of having "run out." I have never seen a finer lot of plants, and it is the best paying white carnation grown here. Geo. W. Gaskill.

...BAKER'S...

NEW CARNATIONS

Grown and Tested Five Years.

ONEIDA pure pink, no trace of purple, rust proof, perfectly healthy, good grower, continuous producer, blooms of largest size.

RED JACKET bright red, of largest size, healthy, no rust, continuous producer, long stiff stems, never bursting calyx.

$10.00 Per Hundred.

Orders booked now to be shipped in rotation as fast as rooted.

CHAS. F. BAKER, Utica, N. Y.

SIMMONS'

New Light Colored CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready. $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM
104 South 13th Street, Philadelphia.

FIREFLY!

A Rust-Proof Carnation for Business.

Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.

Geo. Hancock & Son, Grand Haven, Mich.

SMILAX FINE STRINGS 12 1-2 CENTS

A. J. BALDWIN, Newark, Ohio.

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices.

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

..High Grade Florists' Flower Seeds..

Aster Queen of the Spring, pure white, comes into bloom two weeks earlier than Queen of the Market ..... ¼ oz. $0.35, oz. $1.00

Victoria, white, scarlet, rosy, carmine, light blue, blue and white, rose or mixed... Pkt. 1-16 $0.35, ¼ oz. $1.00, oz. $3.00

Semple's superb strain of long stemmed aster, white, pink, lavender or mixed .. .20 .50 1.50

Bellis PERENNIS, FL. PL. **Maxima**, red extra large flowers..... oz. $0.50
Snowball, pure white..... .50
Longfellow, pink..... .25

Candytuft Dobbie's White Spiral, very fine..... oz. $0.25
Empress, long white spikes..... .20

Petunia **Giant Fringed**, single mixed very large, beautifully penciled..... Pkt. $0.50
Giant Fringed, double mixed..... 1.00

Phlox **Drummondi, Graf Gero.** Excellent market plants, lilac and white, alba, coccinea, rosea, rosea alba occulata, sanguinea violacea or mixed. Price per pkt..... $0.25

	Pkt.	oz.
Nana Compacta — Leopoldi, red, white eye	$0.25	$3.00
Fireball	.25	3.50
Snowball	.25	3.00
Atropurpurea, dark crimson	.25	3.00
Finest mixed	.25	3.00
Pyrethrum, Golden Feather	.20	.40
Salvia Splendens	.25	
Smilax, per lb., $4.00		.40

	Pkt.	oz.
Stocks, large flowering dwarf, white, apple blossom, carmine, purple, blood red, light blue or mixed	$0.25	
Giant Perfection, white	.25	

Sweet Peas **Alba Magnifica**, white..... Per lb. $0.50
Borreatum, bronze..... .50
Butterfly, pale gray, porcelain edge.. .50
Countess Radnor, large lavender..... .50
Emily Henderson, white..... .50
Extra Early Blanche Ferry, white and pink..... .50
Katherine Tracy, blusk-pink..... .50
Mrs. Sankey, best white..... .50
Princess Beatrice, blush-pink..... .50

Verbena Superb mammoth, mixed, from named varieties..... Pkt. $0.25, oz. $1.50

ALLEN'S DEFIANCE MIGONETTE, 25c. per pkt. $1.00 per oz.
SEND FOR GENERAL TRADE CATALOGUE. . . . .

STUMPP & WALTER CO., 50 Barclay Street, New York.
SEED AND BULB GROWERS AND IMPORTERS.

When Writing Mention Florists' Review.

P.O. BOX 75 PHONE 1273 — Wholesale Cut Flower Growers Agents — **ELLIS & POLLWORTH,** W. H. ELLIS · C.C. POLLWORTH

TRY US! TRY US! TRY US!

Florists' Supplies. Send to us—our line is complete.
Wire Work—None made as good at our prices.

Do you want fine cut flowers

For your trade? Try us

Our Violets especially are those that won prizes and win customers.
Palms and Ferns—We grow them and guarantee safe arrival by Express.

ELLIS & POLLWORTH, Milwaukee, Wis.

Experiences with Carnations

READY NOW

Send me your address on a postal and receive them regularly during the season.....

ALBERT M. HERR,
LANCASTER, PA.

NEW GARNATION, **"EMPRESS"**

The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

WM. SWAYNE,
Box 226. Kennett Square, Pa.

Anybody .....can grow Genesee Carnation

NEW COMMERCIAL WHITE.

ORIGINATORS: HARMON & BURR, Darien, N. Y.

For prices, circulars, etc., address

DAN'L B. LONG, Sales Agent, BUFFALO.

WHY NOT GROW RUST-PROOF CARNATIONS

KATHLEEN PANTLIND

Is rust-proof and the most beautiful shade of light pink we know of. A vigorous grower. **PRICE:** $1.50 per doz., $10.00 per 100, $75.00 per 1000.
PREMIUMS: Five Red Wave to every hundred Kathleen Pantlind.

HOPP & LEMKE PAUL POST OFFICE E. GRAND RAPIDS, MICH.

GEO. A. RACKHAM, Detroit, Mich.
Wholesale grower of Carnations and Small Ferns.

Rooted Cuttings of Carnations:

New—Mayor Pingree, Victor and Flora Hill, per 100, $5.00, per 1000, $40.00; Jubilee and Emma Wocker, per 100, $3.00, per 1000, $25.00; Meteor and Tidal Wave, per 100, $2.00, per 1000, $15.00; Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50, per 1000, $12.00.

All well rooted. Satisfaction guaranteed or money refunded.

SEEDS LAWN GRASS $12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS.
North-East Corner **Second & Walnut Sts., Cincinnati, O.**
SEND FOR ILLUSTRATED CATALOGUES.

SYRACUSE, N. Y.

When at L. E. Marquisee's I had to look in and see the sweet carnation Columbia, whose fair name I almost blemished in my notes of my last visit, quite unintentionally, as was understood. The name will be changed before it is sent out, should it uphold the promise it has given up to date, as this name has already been bestowed upon a variety disseminated. Its rust resisting qualities are remarkable. All around and about it are kinds much affected, but this has not the least sign of rust. The flower is perfect and very fragrant. A white sport from Daybreak is noticeable, but Mr. Marquisee does not believe in sports, especially in carnations, reasoning that sport is the effect of loss of vitality, which causes the parent to produce something dissimilar and weaker than itself. The general stock of Daybreak, however, is doing as well as usual, promising an immense crop for Easter, to which soon the eyes of the grower will be turned, and as he surveys his stock of lilies, upon which he cannot at all speculate this season, he asks himself where he is at, and what is he going to do in the future.

I had considerable conversation with Mr. Baker, of Utica, upon this most important subject, the lily disease. He has proven by experiment that this disease is communicated, but whether by root action or soil or pollen conveyed, he is not prepared to say. It is some distance from Bermuda to Japan, but the Japs have it. W. M.

WHEELING, W. Va.

Cut flower trade has been very dull since the holidays. No business except funeral work. Carnations retail from 40 to 50 cents per dozen; roses, $1 to $2; violets, $2 to $2.50 per hundred, Calafornias selling for from 75 cents to $1.25.

Low Smith has closed his new store until Easter.

A number of the florists dropped in to see Mr. Zane one evening, remaining until the wee, small hours. All report having had an enjoyable time. Mr. Zane has a nice lot of lilies and hydrangeas coming on for Easter.

Huscroft Bros. are very busy getting out their seed orders. H.

Too Pretty to Sell!

GERANIUM

..MARS..

2-inch pots, $1.00 per doz.
Cash with order.

HENRY EICHHOLZ,
Waynesboro, Pa.

Kennicott Bros. Co. is the oldest and most reliable wholesale commission cut flower establishment in Chicago.

M. RICE & CO.

IMPORTERS AND MANUFACTURERS OF

FLORISTS' SUPPLIES

25 N. Fourth Street..PHILADELPHIA, PA.

FOR IMMEDIATE DELIVERY

100,000

Free on board cars, Put up in Paper Lined Barrels

3-4 inch circumference, Per bbl. of 1,500, $5.00

4-6 inch circumference, No. 1, select, per 1,000, $6.00

Extra Selected, per 1,000, $6.50

...CASH WITH ORDER...

EXCELSIOR DWARF PEARL TUBEROSES

C. H. JOOSTEN,

193 Greenwich St., NEW YORK. Importer of Bulbs and Plants

The WM. H. MOON CO.

Morrisville, Bucks Co., Pa.

Offer for Spring 1898, an immense stock of

DECIDUOUS TREES, EVERGREENS, FLOWERING SHRUBS and VINES

In great variety, of all sizes. We note especially

12,000 **Dahlias,** whole roots.
10,000 **Ampelopsis Veitchii.**
10,000 **Clematis Paniculata.**
20,000 **Wichuriana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama,** new climber.
5,000 **English Ivy,** long tops.
25,000 **Honeysuckles, Matrimony Vines, Wistarias,** etc.
100,000 **California Privet,** 1 and 2 years.

Trade List on application. Correspondence solicited.

LILY OF THE VALLEY

Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias, Heliotrope, Ageratum Dwarf, Salvia Splendeus and Odorata, Feverfew, Verbena, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves. Station X. Chicago.

Rooted Cuttings.

American Beauties, Brides, Maids, Perles, Belle Siebrect, Meteors....

Write for prices to GEO. A. KUHL, PEKIN, ILL.

Geraniums. October Struck

2½ in. in best named varieties; in flats in best named varieties; rooted cuttings of Geraniums, Heliotrope, Salvia, Petunia, Coleus, etc., grown only on contract. Write for prices.

GEO. W. GASKILL,

212 North Tod Avenue, - Warren, Ohio.



EVELINA...

at the present time is a mass of bud and bloom. Xmas week a house 16x80 produced 1000 flowers which sold readily at $6.00 per 100, and will continue to produce same number per week for some time to come.

EVERY FLORIST

who has seen it, without exception, will try this sterling variety another season, and it is claimed by everyone who has become acquainted with **Evelina** to be the most prolific bloomer in commerce and first-class in every respect, and predict for it a grand future.

THE HIGH ESTEEM

in which **Evelina** is held by the Cincinnati growers is shown by the fact that I have already booked orders for over 7000.

$10.00 per 100 $45.00 per 500 $80.00 per 1000
50 at 100 rate. 250 at 500 rate. 500 at 1000 rate.
Cash or Satisfactory Reference, Please.

R. Witterstaetter, SEDAMSVILLE, ...OHIO.....

Send for Catalogue of other Novelties...

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

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KLONDIKE Gold Fields at Your Door.

GERANIUMS grown in soil in flats, ready to shift into 3-in. pots, $15.00 per 1000. S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Van Dale and Robt. Brett; the same in 2½-in. pots, $20.00 per 1000. Standard sorts, such as Double Grant, Bruantii, La Fayette, La Favorite, Le Pilot, Glorie de France, Hoff Beach, Wonder, Mrs. J. M. Gaar, Jules Ferry, Centaureau, and others, $12.00 per 1000; in 2½-in. pots, $18.00 per 1000. Rose Geraniums, in flats, $2.00 per 100. Mountain of Snow, in 2½-in. pots, $2.50 per 100. Mme. Salleroi, in flats, $1.25 per 100. $10.00 per 1000.

Ageratum, blue and white, 75c. per 100, $6.00 per 1000. Fuchsias, the standard sorts, $1.50 per 100, $12.00 per 1000. Feverfew Little Gem, $1.00 per 100, $9.00 per 1000. Selection of sorts to remain with us. Cash to accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y

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Strong 2-inch pot plants, suitable for Ferneries, ready to shift. **Onychium Japonicum** and **Pteris Cretica Cristata** in variety. First-class stock, $4.00 per 100.

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105 E. 4th St., - CINCINNATI, O.

..ROOTED CUTTINGS..

Ageratum Monstrosa. A dwarf variety with blue flowers of enormous size. The greatest improvement of the age in this popular flower. 40c. per doz. by mail, $1.50 per 100 by express. **Petunia**, double, $1.25 per 100. **Petunias**, double, 2¼-in. pots, $3.00 per 100.

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Facts more eloquent than words.
C. S. A. awards highest of the year.
New York 95 points,
Boston 94 points,
Chicago 93 points,
Philadelphia 89 points.
First prize, white, in strong competition at Boston and Philadelphia shows, and certificated wherever shown.
The ideal commercial and exhibition bloom.
Price, 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand.
Ready for delivery March 1st, 1898.

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THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR. **J. L. DILLON, Bloomsburg, Pa.**

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Fine, well-budded plants, all the best varieties, and will make fine plants for Easter Blooming.
10 to 12 inch Crowns, $3 50 per dozen.
13 " 15 " " 5.50 "
Cinerarias, 5-in. bud and bloom, $1.25 per dozen.
Double Golden Dwarf Marguerite Cuttings, by mail, $1.50 per 100.

WHITTON & SONS,
Wholesale Florists, City and Green Sts., Utica, N. Y.

ALTERNANTHERAS

Rooted Cuttings of the 4 best varieties ready Feb. 15.

Geraniums **Paul Bruant,** in bud and bloom. 2-in., $2.00; 2¼-in., $2.50 per 100.

Begonias in varieties. 2-in., $2.00; 2½-in., $2.50; 3½ and 4 in., $3.50 per 100.

A. J. BALDWIN, Newark, O.

Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.

WHEN YOU WANT THE **BEST**
SEND TO
BASSETT & WASHBURN,
CHICAGO

KANSAS CITY, MO.

Your correspondent was told by one of his lady customers the following: "Mr. ——, I saw the most barbarous, most detestable, most ignoble piece of work I ever saw." "What was it, madam?" was asked. "Why, at Mr. B's funeral, in looking over the floral designs, I saw Mrs. ——'s card, and on one corner of the card was stamped the florist's name and business place. Oh, what a fiend, to take that way of advertising his business. You ought to tell him how bad it is." "Oh, no, madam," I said; 'that work will soon kill him. We have worse than that in our city." "What,, worse than that?" "Yes, madam; we have one who travels continuously through our city with opera glasses looking for crepe on doors, and when found walks right into the house, produces his plates of elegant floral designs, and never leaves until he gets one or more orders for designs." "Oh, my, my—may the Lord forgive him." I said, "No, madam; may the devil get him, and that soon, too." And he will soon come to grief, for such hideous means of doing business will soon tell.

S.

WARREN, O.

A. T. Hoyt has been quite sick with kidney trouble, but is now on the mend and hopes to soon be in his usual good health. Mr. Hoyt has made some improvements in his system of hot water heating and expects to put in quite a number of his heaters the coming spring. It certainly makes a great saving in fuel.

At George W. Gaskill's the boys are busy with plants for wholesale trade, of which there is a fine stock. He grows roses and carnations largely for home trade.

Business has been far from satisfactory here and it would appear that that wave of prosperity has not reached here yet.

Mum.

SEEDS FOR FLORISTS.....

	Trade pkt.	oz.
Alyssum Little Gem	$0.15	$0.50
Begonia Vernon	.25	
Candytuft Empress	.10	.20
Centaurea Gymnocarpa	.15	.50
Cobœa Scandens	.15	.35
Dracæna Indivisa	.15	.30
Nasturtium Dwarf mixed, lb. 60		.10
Petunia, fine mixed	.15	.50
Petunia, large flowering mixed	$1.00	
Phlox Nana Compacta mixed	.25	$1.50
Salvia Splendens	.25	1.50
Thunbergia mixed	.10	.10
Verbena Mammoth mixed.	.25	1.10

SPRING BULBS.

	per 100.	per 1000.
Tuberose Dwarf Pearl first size	$1 00	$7.00
Tuberose Dwarf Pearl, second size	.75	5.00
Begonias, Tuberous, single, separate colors	3.50	30.00
Begonias, Tuberous, double, separate colors	12.00	
Gloxinia Erecta, separate colors	6.00	
Gloxinia Erecta, mixed	5.00	

WM. ELLIOTT & SONS...New York.

New Pink Carnation **Mrs. Frances Joost**

Seedling from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most prolific bloomer. It makes in a short time a fine bushy plant, and has the form and habit of what carnation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower erect without tying of any sort. Calyx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. All orders filled in rotation. As the sale of the stock of this Carnation will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

Price, $2 per doz.; $10 per 100; $75 per 1000.
Cash with Order.

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Is a Plant Food that contains **ACIDS.** Do you furnish your customers with such an article? **Better not.** A few of the good points in our Excelsior Food—

FREE from Odor.
FREE from Coloring matter.
FREE from Acids. Perfect solubility.

We furnish a booklet "The Window Garden," by Eben E. Rexford, Floral Editor of the "Ladies' Home Journal." Have you purchased your Plant Food for Fall and Winter trade? If not, write us for prices and terms.

The Walker Fertilizer Co.
Clifton Springs, N. Y.

LAGER & HURRELL

Growers and Importers of



ORCHIDS

Correspondence Solicited.

SUMMIT, - - N. J.

ROOTED CUTTINGS.

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1 50 per 100. $12.50 per 1000. Cuttings. Fine rose plants from 2½-inch pots ready February 15th.

CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor	$1.00 per 100. $7.50 per 1000.
Emma Wocher, Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea, Jubilee	$3.00 per 100. $25.00 per 1000.

No order for less than 100 of one variety accepted.

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51 Wabash Avenue, - CHICAGO

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

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STANDARD FLOWER POTS..

In any quantity, and of the best quality.
Get my price list before ordering elsewhere.

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Station M, N. E. WASHINGTON, D. C.

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The Tropical Orchard House.

FIFTEEN years' experience in the culture of tropical fruits under glass. A great success. Opens a new industry to the greenhouse man. Profits greater than anything which can be grown under glass. An unending source of pleasure to the amateur. Plain and practical instructions for the culture under glass of all tropical fruits. Every florist needs it. You will get pointers from it. **The Tropical Orchard House** is a coming popular feature of gardening.

PRICE, 25c PER COPY.
(Stamps not accepted.)

MARTIN BENSON, DONGOLA, ILL.

London Grove, Pa.—Mr. O. F. Passmore has recently started in the florists' business here.

A New Plan for 1898

BURPEE'S SEEDS

Are Sold

ONLY IN SEALED PACKAGES

Seeds of the best quality cost very much more to produce than do seeds of the ordinary commercial grade. And yet many merchants, having little or no knowledge of the value of HIGH-CLASS SEEDS, purchase their supplies wherever they can be obtained the cheapest.

It has been brought to our notice that some merchants will buy a bill of seeds from us, obtain copies of our catalogues and show cards and then purchase a portion of their supplies from other seedsmen, who, growing "cheap seeds," can sell at much lower prices. In many cases planters who purchased from their local merchants, thinking that they were obtaining BURPEE'S SEEDS, got only a few of our seeds (perhaps in packets), and often the seeds bought by weight or measure were of inferior quality, falsely sold on our reputation, but for which we were not in any way responsible.

This deception was brought so prominently to our attention, the past year, that we debated seriously whether we should not decline altogether to sell BURPEE'S SEEDS at wholesale, and announce in "The Farm Annual for 1898" that BURBEE'S SEEDS could be obtained only direct from Philadelphia. Further consideration, however, showed us that this would hardly be fair to the honorable merchants who had been handling our seeds exclusively for years, and in whom we could place confidence. Therefore we decided upon the plan announced below:

Hereafter we will sell Burpee's Seeds only in sealed packages

Packets and ounces, in the Spangler Water-tight Bags, are sealed as heretofore, and bear, plainly printed, either OUR FIRM NAME OR REGISTERED TRADE-MARK MONOGRAM, protected by United States Letters Patent. Quarter-pounds, pounds, pints and quarts, done up in paper bags or cartons, will have pasted across the top A GREEN LABEL, worded as follows:

REGISTERED WB TRADE MARK

Burpee's Seeds That Grow For 1898

GENUINE ONLY IF THIS SEAL IS ....UNBROKEN....

SEEDS IN BULK—that is, Peas, Beans, etc., by the peck or bushel, and large quantities of small seeds in bags, will have EACH SACK SEALED WITH OUR TRADE-MARK ON A LEADEN SEAL. This plan will be a protection to honest merchants from competition with other seeds claimed to be BURPEE'S SEEDS, and at the same time will be a guarantee to the purchaser.

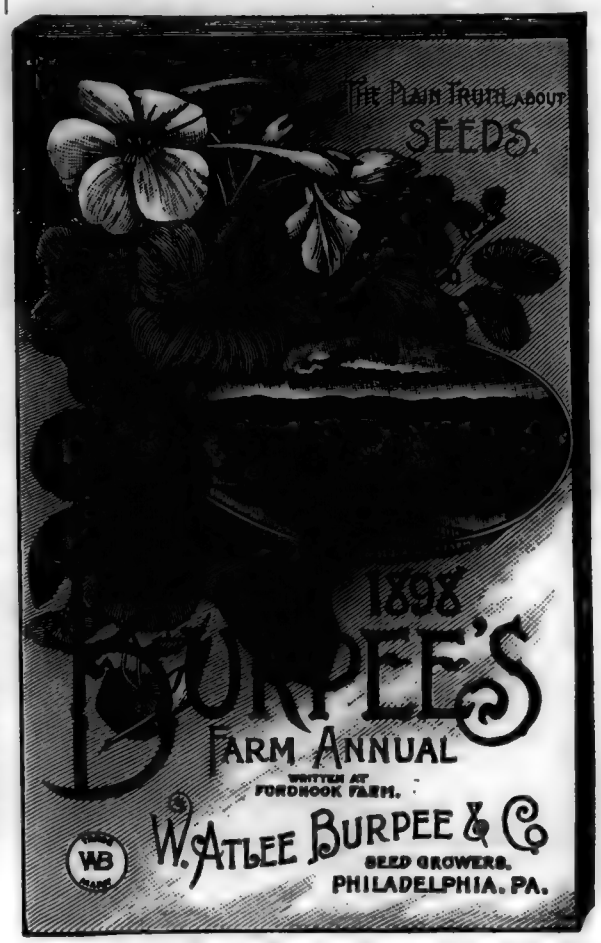
Our Only Salesman is our annual Catalogue. We employ no travelers, but will quote prices by mail at any time.

Large Dealers Who Sell on Their Own Reputation, can buy in bulk from us, as hertofore.

As stated above, every sack leaving our warehouse will be sealed, but, of course, the contents, being in bulk, can be handled as desired—except that they must not be sold as BURPEE'S SEEDS, except in original packages.

Burpee's Farm Annual....

1898



The Leading American Seed Catalogue.

Mailed Free to Planters Everywhere.

A handsome book of 144 pages. Tells all about THE BEST SEEDS THAT GROW. All the illustrations are true to Nature, and the descriptions have been written at FORDHOOK FARM, where we conduct the most extensive trial grounds in America. IT TELLS THE PLAIN TRUTH ABOUT SEEDS.

Novelties for 1898.

Never before have so many First-Class Novelties been introduced in any one year.

In VEGETABLES Besides the long-keeping AUSTRALIAN BROWN ONION, introduced last year and still controlled by us, we introduce THREE NEW TOMATOES, each of distinct character and real merit, the GOLDEN EAGLE MELON, a new PEPPER from Japan, a new American LETTUCE, and offer, for the first time, the wonderful extra early wrinkled GRADUS PEAS at a moderate price.

In FLOWERS Besides BURPEE'S PINK CUPID, which is sold in our original sealed packets by seedsmen all over the world, we introduce EIGHT OTHER NEW SWEET PEAS, which can be had only direct from us. Among other exclusive novelties, we would mention the WHITE DEFIANCE BALSAM, the giant-flowered SUNLIGHT and MOONLIGHT NASTURTIUMS, and the beautiful new PRESIDENT MCKINLEY PANSY, as of surpassing merit.

In PLANTS Besides the usual Novelties, we have two of our own exclusive introduction. These are the beautiful NEW DWARF GLORIOSA CANNA and the wonderful free-flowering BURBANK ROSE—the best of seventy-five thousand seedlings raised by the world-famous "WIZARD OF HORTICULTURE."

To Keep Abreast of the Times every one who gardens either for pleasure or profit should read the FARM ANNUAL for 1898, which is brighter and better than ever before. Write TO-DAY! and you will receive a copy by return mail.

Burpee's Blue List for 1898.

has been mailed already to all **Florists** and **Market Gardeners** who are upon our mailing lists. Any others can have it upon application. It gives what are termed **"wholesale prices" to those who plant for profit.** The prices are considerably lower than in BURPEE'S FARM ANNUAL, but of course not so low as the **Trade Prices** quoted in

Burpee's Red List for 1898.

This **Wholesale Catalogue** for **the trade** is mailed **ONLY** to **dealers** who buy to sell again. It cannot be mailed either to florists or market gardeners who buy ONLY FOR THEIR OWN PLANTING. ☞ In applying for this catalogue you must enclose business card or other evidence that you are a **dealer in seeds.**

THUS WE HAVE TOLD THE STORY OF OUR....

Three Catalogues for 1898.

To which are **YOU** entitled? Every reader of THE FLORISTS' REVIEW should certainly have one or more. ☞ **ALL** have been mailed to our regular lists and if **YOU** have not received the right catalogue, **please write TO-DAY** and it will come by return mail.

W. Atlee Burpee & Co. Seed Growers, Philadelphia, Pa.

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GREENHOUSE HEATING.

Some novel ideas in the circulation of hot water for heating are advanced by Mr. A. T. Hoyt, the florist of Warren, O., in a circular recently received. His plan may be called an "all up-hill" system. The grade is all up-hill until the point nearest the boiler is reached, when there is a sharp drop to the boiler. There are other details, but this seems to be the main principle in his system. He claims to secure a remarkably rapid circulation by this plan of piping, and visitors to his place report that he is certainly successful in obtaining most excellent results. He also has a novel heater of his own construction.

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FERNERIES and JARDINIERES
Norman Style in Sprays, tinted and Delft.
Tuscan, in Sprays, tinted and Delft.
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OUR LEADING NOVELTY: LACE VIOLET HANDKERCHIEFS

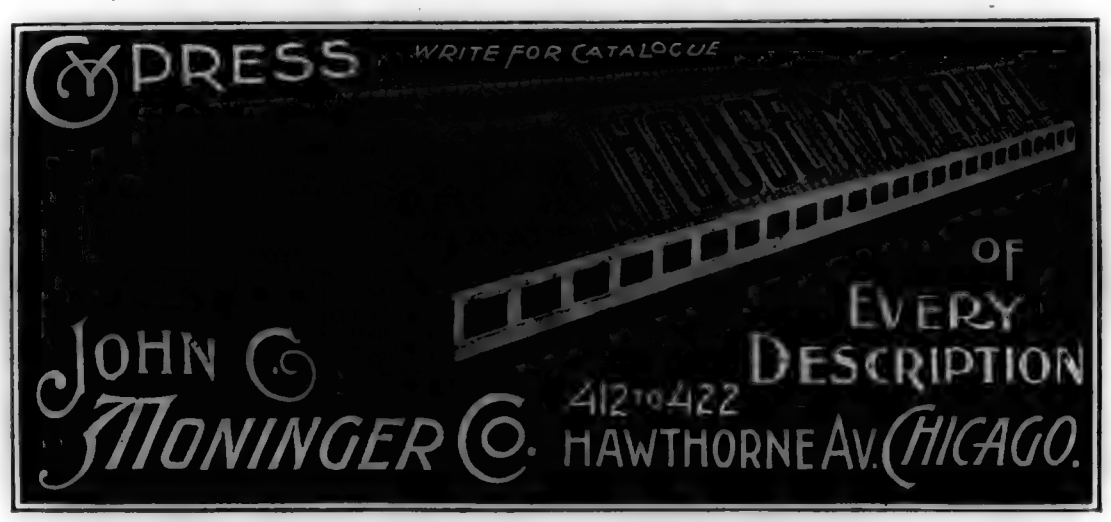
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Write for Illustrated Catalogue

Quaker City Machine Works,

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The Detroit Flower Pot Mf'y

Are the Makers of the

STANDARD RED POTS

That give such satisfaction.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - - - CIRCULAR FREE -

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Kill and Save the Blooms Bugs!

QUICKLY DOES IT.

Burpee's Seeds Grow

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You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

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_____ shall remain a paying subscriber to the FLORISTS' REVIEW.

This certificate is transferable only to _____ successor in business, and then only on application to the undersigned. Dividends will be made of net profits on the first day of January of each year.

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Witness my hand and seal at Chicago, Ill., this _____ day of _____, 189

(SEAL)

_____,
Trustee.



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STRONG DORMANT FIELDGROWN

CANNAS.

Which we offer at very low prices. The varieties are the very best and finest grown to-day. Florists will find this the most advantageous time to procure stocks and start them for spring sales.

We offer the following sorts at only **$3.00 per hundred,** viz:—

Paul Marquant **Alphonse Bouvier** **Chas. Henderson**
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Tuberose Pearl, extra quality.....$1.00 per 100; $7.00 per 1000
Caladium Esculentum
Bulbs 6-9 in. in circumference.....$3.00 per 100
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TERMS: Net 60 days, or 5 per cent discount for cash with order.

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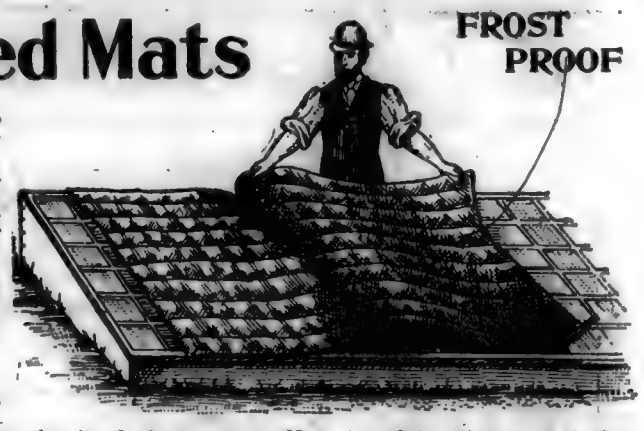
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INDESTRUCTIBLE, CHEAP AND WARM,
Will not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have now been in practical use three years. Cost less than old-fashioned straw mats and entirely take their place. **MADE IN FOLLOWING GRADES:**

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No. 3. **Waterproof,** made of oil duck, filled and quilted the same as Nos. 1 and 2. Size 40x76 inches, $1.00 each. Size 76x76 inches, $1.50 each. Made any length, 76 inches wide, at 20 cents per running foot.

That these mats are a **much needed improvement** over anything heretofore used for the same purpose, is demonstrated by the large demand and many testimonials from prominent men in the trade. Everyone using Hotbed Mats should give them a trial. We also make

QUILTED HORSE BLANKETS,
THE CHEAPEST, WARMEST AND STRONGEST IN THE WORLD.

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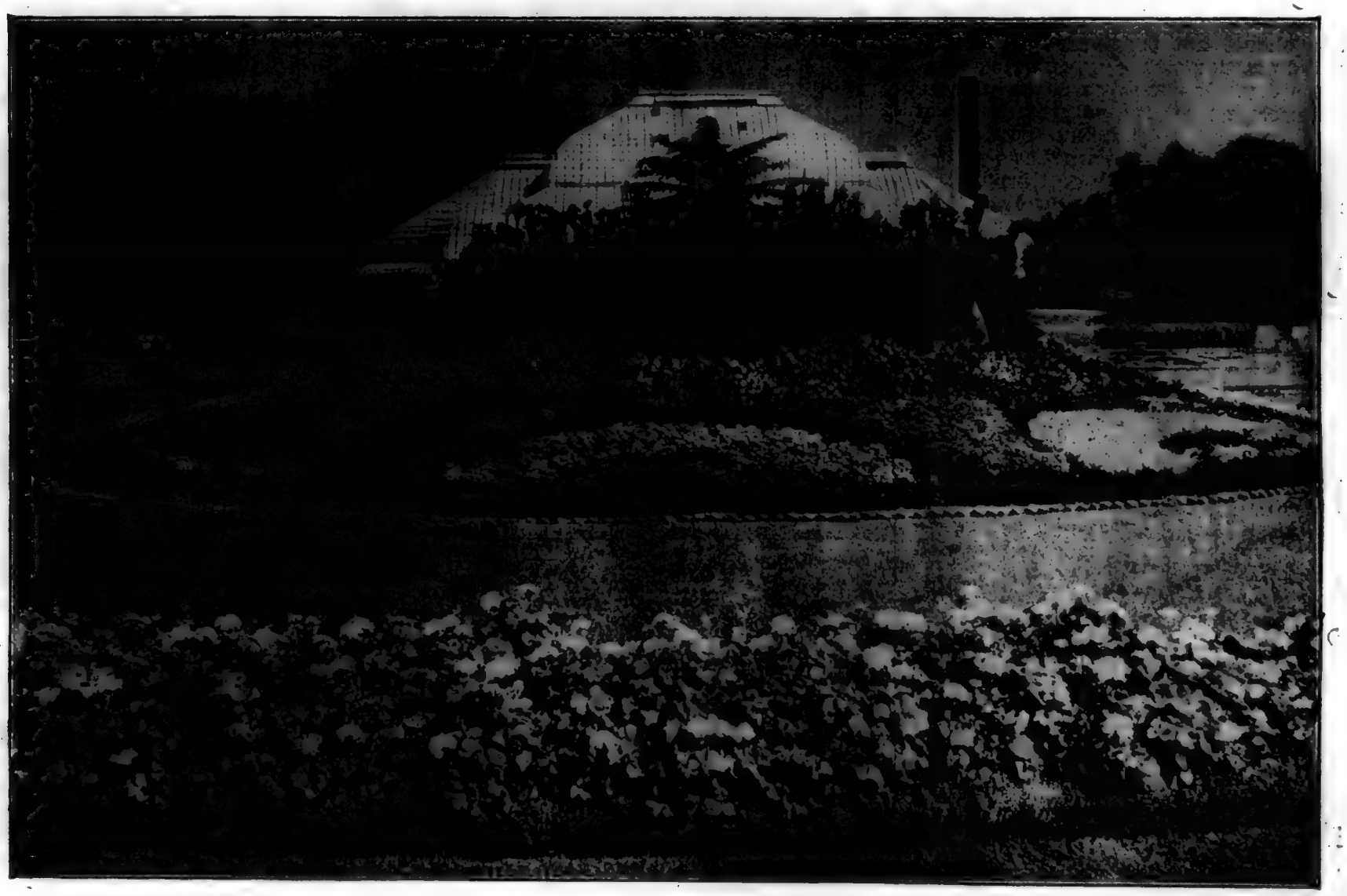
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THE WEEKLY

FLORISTS' REVIEW

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Combination Canna and Carpet Bed.

COMBINATION CANNA AND CARPET BED.

The bed shown in the accompanying engraving was one of a pair seen in Lincoln Park, Chicago, last summer. The cannas in the center are the dark foliaged variety Egandale, which Mr. Stromback considers to be decidedly the best dark foliaged variety to date. In the center is a young Ailantus glandulosa, which is cut down each season, leaving only a few inches of last year's growth. Around the cannas is a circle of Begonia Erfurtae, the culture of which was covered in a former article. The geometrical design that encircles the above named is worked out with santolina, the bronze leaved geranium Bismarck, Achyranthes Lindenii, Coleus tessellata and echeverias.

The santolina is propagated by cuttings made in October, put in trays of

sand and elevated on the bench well up to the light, in a temperature of 55 to 60 degrees. When well rooted they are potted into thumb pots and placed in a temperature of 50 degrees, where they remain over winter. Great care is taken not to overwater them, and they remain in the same pots until bedding-out time. In planting out they should be placed about eight inches apart. Where one grows higher than the others the tip should be cut out to induce bushiness and maintain an even height. They should never be watered overhead except in the morning of a bright day. Otherwise the moisture stays in the foliage, and on warm nights the plants will damp off. This is apt to occur during warm, rainy weather. There is not so much danger of this if the plants are used as an outside border instead of being set closely together in a mass, as then the air has more opportunity to get in and dry out the moisture. This also applies to the variegated thyme, the Mme. Salleroi geranium and the lobelia. The Mountain of Snow geranium requires more water than any other geranium, and should not be planted in an elevated position where apt to quickly become dry. It should also be planted quite close together, as growth is not rapid enough to quickly cover the ground if planted far apart.

The Bismarck is the best bronze geranium Mr. Stromback now has. The growth is strong and the foliage holds the color well. He has discarded Earl Roslyn, which became weak and diseased. Achyranthes Lindenii is used merely to line out and separate the several divisions of the bed. This achyranthes is also useful as a border around and between plants that require a support, such as heliotrope, vincas, etc.

In the foreground of the picture appears a section of a bed of geranium La Favorite, semi-double white. This Mr. Stromback considers the best white geranium he has. He has discarded Mrs. J. M. Garr, finding its constitution too weak. He will hereafter grow only La Favorite for white.

OUR LONDON LETTER.

[From our Special Correspondent.]

Begonia Julius.

This is another welcome addition to the hybrid winter flowering begonias, raised by Mr. Heal of Messrs. J. Veitch & Sons, Chelsea, London. This begonia has been raised by crossing the species B. socotrana with a selected variety of the tuberous rooted class. B. Julius is even finer than its predecessors. It is of a compact, leafy growth, the flowers delicate pink, and borne with great freedom. They show up well under artificial light.

Begonia Gloire de Lorraine.

This hybrid begonia of Messrs Lemoine has been exhibited largely on more than one occasion this autumn. The plants have been in 5 or 6-inch pots as a rule, and smothered with the small bright pink flowers, which show up well under artificial light, either gas or electricity. Each year this begonia becomes more largely grown here, and



Phylasis Franchetti.

this is not surprising, considering its easy culture, brightness, and the time its wealth of blossoms is produced.

A New Grape.

The well known fruit growers of Sawbridgeworth, Messrs. Rivers & Son, received at a recent meeting of the Royal Horticultural Society an award of merit for a grape of considerable promise. The berries are of fair size, round in form and excellent in flavor, a point of no small importance, while the almost deep black color is attractive. It has the merit, too, of keeping well over a long season.

The Chrysanthemum Season.

is now over, but it has been as prolonged and popular as ever, the prizes being valuable at the exhibition of the National Chrysanthemum Society, and the Scottish Society, whose show at Edinburgh was magnificent. We suppose the fashion will decline, but the Royal Aquarium, in which the great London show was held, was uncomfortably thronged throughout the three days during which the exhibition remained open. We are pleased to see that exhibiting the flowers in a bold way is more usual. Mr. Norman Davis of Framfield, and Mr. H. J. Jones of Lewisham, both had large vases filled with one variety, a splendid effect being the result.

Chrysanthemum Julia Scaramanga.

From the examples of this I noted at the last November meeting of the Royal Horticultural Society, I should think that it was the finest new Japanese reflexed variety of the present year. The flowers were of big dimensions, reminding one in every way of those of Mme. Carnot, but more graceful, and in color, what is best described as terra cotta, touched with rose, in the case of flowers from late buds, but early buds give blooms of a rose-bronze shade.

Chrysanthemum Mme. Verlat.

Those in search of a really good white incurved flower to go with such as Chas. H. Curtis, should make a note of the above named variety from Mr. Wells, Redhill, Surrey. It is a large flower, and very dense.

The Great Storm.

The fearful storm that raged over the British Isles in the last November days inflicted severe damage, not only to shipping and our coast towns, but to gardens generally. The storm swept the Isles, uprooting many an old tree, smashing glass houses, and generally creating considerable anxiety. No such storm has been known for many years.

Phylasis Franchetti.

This hardy Japanese winter cherry has been exhibited largely during the autumn. There is no question as to its decorative value. The big bladder-like calyces, enclosing the crimson fruit, are of a bright orange red color, and three or four times as large as those of the well known P. Alkenkengi. The strong stems bear several of the "Chinese lanterns," as they have been not inaptly called. Though bold and handsome in form and coloring, the type is welcome, too, being more graceful.

LIVISTONA HOOGENDORPII.

This handsome palm bears some resemblance to Livistona rotundifolia while quite small, but as it attains age it becomes very distinct, having longer leaf-stalks, a more drooping habit and usually much stronger growth. The leaves are also frequently darker in color than those of the above men-



Livistona Hoogendorpii.

tioned species, but this is a rather indefinite characteristic to judge by, from the fact that the color of foliage depends so much upon the conditions under which the plant is cultivated.

The leaves of Livistona Hoogendorpii are borne on stout stems that are usually brownish in color, and surrounded at the base with brownish red fibre, the edges of the stems being also armed with strong spines. The blade of the leaf is much divided into narrow segments, these being cleft at the tips and pendant, and the general outline of the leaf is circular.

This species is a warm house palm, being a native of the Indian Archipelago, and will flourish under similar treatment to Areca lutescens, for example, in a house having a night temperature of 65 degrees, a moist atmosphere and light shading, and should be firmly potted in light, rich loam, or if the soil is naturally heavy the addition of about one-fourth part of peat may prove beneficial.

Though in cultivation for over twenty years, L. Hoogendorpii has not become very common, and in fact is seldom met with in the trade in this country at least, seed of this species being seldom offered here in sufficient quantity to have much effect in the trade. It is, however, a valuable species, though possibly not equal to so much exposure as its well known congener, L. chinesis, but the endurance of a palm depending greatly on the method of its culture, it would be unfair to condemn this or any other species without a more complete test.

W. H. TAPLIN.

THE STORY OF AN EMIGRANT FLORIST.

IV.

To the right and left of the Victoria house and in front of a long range of houses were flower gardens laid out in formal style; geometrical figures with gravel walks between and edged with the little box edging, not allowed to grow 18 inches high, as it is usually seen in this country, but kept closely cropped with the shears, and looking as trim and uniform in size as the gilt moulding round a picture. It's no use, however, enlarging on box edging. The gardens where it was appropriate are no longer made. It gets killed at least by our northern winters, and the "laying" of it is a lost art. The American gardener, unless he is imported, knows nothing about laying box edging, and only a few of those imported ever learned to do it skillfully.

The north side of the Victoria house connected with the main range of houses, in the center of which stood the big "stove." Stove is so universally used as applied to a hot-house that in Europe it is correct. We all know, or at least those who have left their native village, that buildings which in childhood looked castles would on returning home, after a few years' sojourn in a big city, look but cabins; and unless you have thought enough to realize this, you will have too exalted an opinion of the height of trees you climbed for the magpie's nest, the width of the field you threw a cricket ball across, or the size of the village church. All things are high or low, long or short, light or dark, good or bad, merely by comparison. The dull light by which Milton wrote Paradise Lost was light; by the side of electricity it is darkness. Chichester cathedral was very tall (274 feet); by the side of the Cathedral of Cologne it is short.

So this big stove was after all not so large. But for those days it was a good size; perhaps 80 feet long, 50 feet wide and about 30 feet high. In that old stove was a varied and truly tropical collection, besides a fine collection of orchids, nepenthes, hot-house ferns, particularly the beautiful gleichenias; there was the usual collection of crotons, marantas, etc. Sitting on the top of a step ladder and cleaning the leaves of a seven or eight-foot croton with the aid of soft soap and a sponge, was often the peaceful occupation of the younger workmen. There were specimens of old Maranta Zebrina, I am sure four or five feet across. About 1850 a very novel little plant was brought down from London. It had two leaves, and as the plant cost two guineas ($10), it was five dollars a leaf. It was only Begonia Rex, which we now sell in 4-inch pots for 15 cents each.

What the ordinary lad would most vividly remember is what there was in the house "good to eat," and in tropical fruits it was rich. Beside the dwarf banana, Musa Cavendishii, there was always growing with yearly a ripe bunch, Musa Sapientum, the fruit of which is superior to any. The bunch weighs often 80 pounds and the plant grows 20 to 25 feet, the leaf being 8 to 10 feet long. The following incident will show that a liberal education and refinement do not always inject universal knowledge. The wife of the rector of the parish, a beautiful and accomplished converted Jewess, sent one day a sweet note to our father asking

for a leaf of the banana. She wanted it for "a book mark for her prayer book." The banana is the staple food of millions of people whose home is in the tropics, and so prolific is it that compared with wheat it is almost fifty to one. It is a wholesome and delicious fruit, but he that has not tasted it fresh from the plant knows nothing about its flavor. The artificially ripened things we get in our northern states give one no more idea of the excellence of this fruit than the boarding house canned salmon does of the flavor of a 20-pound beauty fresh from the river Tay.

The guava (Pisidium guava) grew trained to a wall, and freely and frequently bore a crop of its dainty little fruit. The granadilla (Passiflora quadrangularis) occasionally fruited, and we urchins flocked round thick when one was to be dissected. These last two fruits may not be relished as a steady diet, but we never had enough to make us tired. They were then as great a treat as a dish of mushrooms would be at the present moment, to the writer.

The diffusion of knowledge in half a century has been marvelous, and all parts of the earth (or nearly all) are open to travel. Every day we meet men who can tell us how this and that grows in Jamaica, the Ayres, Borneo, or the Soudan. Fifty years ago the traveler that was intelligent was a rarity. I say intelligent because sailors are great travellers. The writer when a boy questioned many a sailor who claimed he had been in almost every part of the world, questioned him eagerly; not about the flora of distant lands, but whether he had ever seen a tiger or wild elephant, a rhinoceros or a kangaroo. The result has always been a dismal failure. The poor sailor had evidently seen little and observed less. His recreations and pleasures when ashore were of the same kind, whether he was in Liverpool, Singapore, Sydney, Hong Kong, or even Chicago. The dock and its environments were the limit of his explorations. So to see arrow root, sugar cane, cinnamon, tea, coffee, and many other economic plants and trees did not fall to the lot of every boy. The coffee often bore berries, but not in quantity sufficient to make any difference to our household expenses.

That grand fruit, the mango, was here grown and ripened to perfection. A large plant, or rather tree, some seven or eight feet high, broad and dense, with dark green leaves, annually bore clusters of its rich fruit. A lady friend in Florida kindly sent me a few mangos a few years ago, picked, I suppose, green. When they arrived they were as difficult to masticate as the toughest section of an aged owl. The mango (Mangifera indica) is a luscious fine fruit when ripened on the tree. While referring to tropical fruits, let me say that the mangosteen (Garcinia Mangostrana) refuses to fruit, or readily, away from its native climate, or the tropics. The magnosteen is described as one of the most delightful and nutritious fruits given to man, and is with an occasional change to fricasseed missionary, the chief food of the islanders of that vast expanse dotted with countless islands called Oceanica, or at least of those islands not too far removed north or south of the equator. When the writer was seven or eight years old there were, in the same year, two places in Great Britain that each had a promise to ripen a mangosteen, only one fruit each, but those, I am pretty positive, were the first in Europe. One was at Sion House, the other in this garden, which takes me so long to stroll through. As the fruit developed there was a report weekly in the Gardeners' Chronicle of their respective progress and welfare. The one at Sion House did, I believe, reach maturity, but, alas, the other one never got the chance. A big, raw-boned Scotchman from far north, a new aspirant for "improvement in his profession," doubtless a very worthy young man, splendidly adapted for "tossing the caber," or calling himself "she," got his elbow against this precious fruit and off it came. Poor fellow; in less than two hours his trunk and himself were off the estate. He afterwards, so I was informed, emigrated to one of the small islands, where the mangosteen flourished, was presented with a few dozen native wives and became a virtual "king of the Cannibal islands."

One orchid, I will never forget it, stood in an iron vase, and was some three feet in diameter. It occasionally made a trip to Regent's park, when that was the locality where the greatest flower shows were held before the days of South Kensington or the Crystal Palace. It was old Dendrobium densiflorum, and I have seen 75 spikes of its rich bunch of grape-like flowers on it at one time. What a pity it and Wardianum last but so short a time.

To the east and west of this stove was a smaller house, used for the same class of plants, to begin to mention which would be to you tedious. Westward the range was finished off with a heath house, many fine specimens and a great many species that I will perhaps never see again. Seldom did this heath house need any fire. On the eastern end the range was finished off with a peach house that was forced early, and on a shelf near the glass at the back of the house strawberries were forced to perfection. We hear of strawberries being sold at a high price for the table of New York's millionaires, but I scarcely think they ever bring so high a price as those I have seen picked from this old house, each berry in one of its own leaves, carefully packed in flat trays, only one layer in thickness. Occasionally, for some extraordinary occasion, a few were sent to a fruiterer in London, and the consumer paid one dollar and twenty-five cents per ounce for them, swallowing nuggets, you may call it.

Passing through a small inclosure of dwarf pear trees, we come to four vineries heated with the old brick flues, but they grew good grapes all the same. To any one brought up on Concord grapes, they don't sigh after a Muscat or Black Hamburg, but I do. A friend who will see these lines, likely before they are in type, told me that he did not care for hot-house grapes, but preferred our Delawares and Isabellas. What a degraded taste. What's the good of education if that is the result? But that is only a western taste. Is it not strange, and an evidence of lack of enterprise—it certainly is not lack of knowledge—that great quantities of exotic grapes are grown in Belgium and sent to New York, and perhaps other American cities, to satisfy the palate of our wealthy epicures? This is not Anglomanism, but a correct taste. Champagne is considered superior to elderberry wine, and this is about the relative excellence of a Muscat and Concord.

About twenty-five years ago there was a seemingly endless controversy and discussion in the Gardeners' Chronicle, whether outside vine borders, when the house was forced, should be covered with two or three feet of warm manure or not. After months of windy effusions, mostly from private gardeners who had nothing else to do, the question was left as much undecided as when they began. Looking at it from a distant view, I should say that in a climate where the frost penetrates the ground but a few inches, sufficient manure to keep out the frost was all that was desired, and that smothering the border and roots with three feet of stable manure was all wrong. Neither the element of air or water could be of benefit to the roots. The editor, after long suffering and patience, shut them up, and for fear the editor of The Review will exercise his prerogative, I will for the present shut up myself.

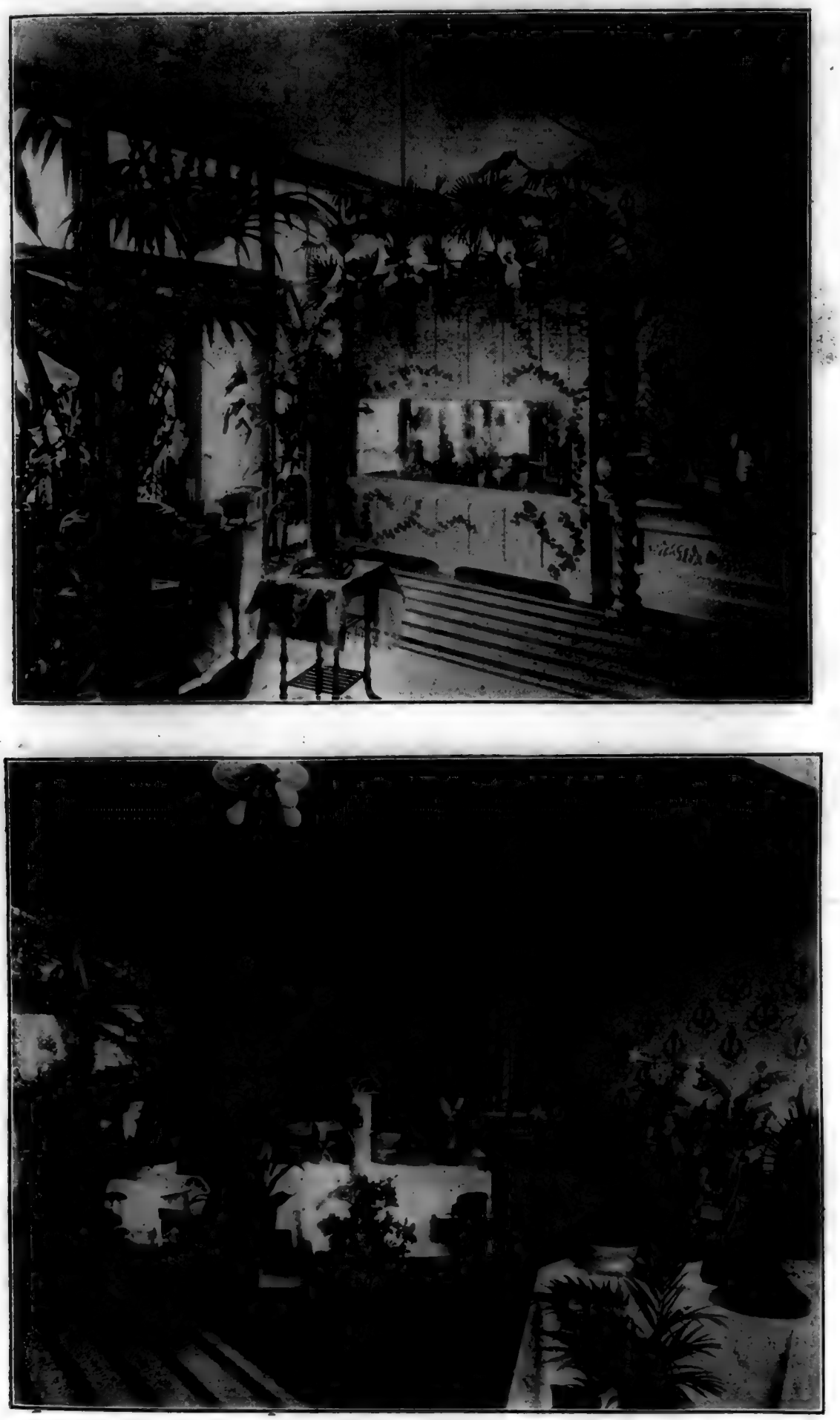
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(To be continued.)

ADVERTISING A FLOWER SHOW.

(Read before the St. Louis Florists' Club by J. J. Beneke.)

In regard to advertising a flower show—does it pay? It certainly does pay if the advertising is done in the right way. As to mediums to reach the right people, the newspapers undoubtedly stand at the head. You must have the usual announcements in the amusement column, but way and above that is the securing of advance announcements in the reading columns. This is work that requires a little advance experience. The newspapers will always print what they feel is news, and very often an announcement can be so worded that it will pass the editor as news, when the same matter, if worded in a little different manner,



Views in the West End Store of Ellison & Tesson, St. Louis.

would be promptly turned down as simply a reading notice that should be paid for.

The question resolves itself into an understanding of what is news from a newspaper man's standpoint, and an organization that contains a considerable number of people who are not interested in floriculture commercially will give the organization a much better standing with the newspapers than one which is purely commercial in character. In other words, if Mr. John Smith, the real estate dealer, is interested in flowers as a pastime, the fact that he has added considerably to his collection of plants, etc., would be an item of news to the average newspaper man, but if Mr. Smith had simply done some extra business in real estate it would be considered advertising rather than news.

A decided help to the committee in charge of the advertising is what is known as a press agent. He is usually a man who has at one time been a reporter on a daily paper and who is capable of writing what is called an attractive story. Long experience has told him what editors are apt to let pass as news matter, and not only what will appeal to them in a general way as news, but he is generally familiar with the peculiarities of the various editors in the city. It is an old saying of reporters that they write for their editor rather than for the general public. In other words, they do not always write what they think would interest the general public, but what they think will conform to the ideas of the man who is to edit their copy. It can readily be seen that knowledge of this character cannot be acquired by any one in another line of business, and this is where the press agent, if he is worthy the name, has a very great advantage over any other man, no matter how brilliant he may be.

The press agent should also advise in regard to the advertising, but it is not always safe to take his advice. He may be of the type that requires a rake-off for himself, and he may endeavor to induce the committee to expend the money in directions which will enable him to get the rake-off and which would not be to the advantage of the exhibition. If the advertising appropriation were quite limited, I would suggest that it be confined entirely to the newspapers, except what was needed to print some small posters that could be hung up in the florists' stores. I am convinced that the large display poster on dead walls, etc., does not give value for the money, and I place little reliance on the smaller posters which are placed in general store windows and other places conducted by people who have no direct interest in the exhibition.

Street car advertising seems to be good if you always get what you pay for. It is, however, very difficult to check up the bills of the man supplying the street car advertising. He will tell you that he will place the card in all the cars on certain lines, and when he brings you the contract to sign, it will specify a certain number of cars. If you have stepped into a number of cars and found that the card is not there, and make a complaint he will explain that a few extra cars were put on that line that day and that is the reason you did not find your card in them. He will assert that the card appears in the number of cars you had contracted for, and he will exhibit a string of car numbers about a yard long and suavely request you to check it up. To a man who can find barely a moment to spare at the time, this request is anything but humorous.

But the story could be drawn out to

an indefinite length. Let us sum it up by advising this: Get a good press agent. Be guided largely by his advice. He should be engaged at least two months before the time of holding the exhibition, and $100 to $150 is not too large an amount to pay for his services from that time until after the exhibition is closed. Up until toward the time for the exhibition to open he will do nothing but secure space for an occasional short advance note of what is being done in the way of preparation for the exhibition. About three weeks before the time of holding the exhibition these notes should be larger and more frequent, and probably he will select the Sunday before the opening of the exhibition as the day for what he will call his "grand stand play." He cannot figure on getting more than one large advance notice, and he will arrange to have it as close to the opening of the exhibition as he can get it. Then he will arrange for a good report in the papers the opening day of the exhibition. He will be at the exhibition hall the night before and will explain to the various reporters who call just what is going to be done in addition to what can be seen already by the reporter, and it would be wise to provide him with a quantity of flowers which he could present to each of the newspaper men that call.

A box of cigars and a few bottles of liquid refreshment in the side room for the use of the press agent would also prove a good investment. All during the exhibition he should have a supply of four or five dozen good chrysanthemum flowers each day. After showing a reporter around the building and giving him the desired information for the reporter's story, he will finish up by presenting him with a bunch of flowers and possibly a clove. Sometimes the clove is preferred to the flowers, though in the case of a lady reporter the flowers are sufficient.

In securing good press notices it might be put briefly thus: In the first place you must have the editor in sympathy with you, that he may send a reporter to the exhibition with instructions to give the story liberal space. Secondly, you must give the reporter plenty of facts upon which he may build a good story. Thirdly, you must have the sympathy of the reporter, so that he will exert himself in the matter. Fourthly, you must be sufficiently lucky to have the story come in at a time when there is no great political excitement which is making a large demand for space in the daily press.

EEL-WORMS IN ROSES.

Last spring I did not propagate any roses as my stock was badly infested with eel-worms. I bought young stock and when it was ready for planting I found it also was infested with the eel-worms. The roots were covered with large galls and a glance through a microscope showed the young by the million.

It was too late to secure a supply of clean stock so I tried my luck at doctoring. I made a solution of one part Rose Leaf extract of tobacco to ten parts pure water, and soaked the ball of every plant in it. They were then set back in their pots again for a week. They were then soaked again and at once planted on the bench, while the balls were wet with the solution. A week later I gave the soil a sprinkling of lime and have given the bench two top-dressings of lime since, with the result that up to date I have seen no sign of eel-worms.

GEO. W. GASKILL.

Warren, O.

POT PLANTS FOR MARKET.

By Joseph Reeve.

(Read before the Chicago Florist Club Jan. 27.)

In view of the present demand, the growing of pot plants for market is a subject of importance to both the grower and the retailer. We have given so much of our attention to the perfecting of the growing of cut flowers, and devoted to this so much space, that the growing of pot plants for market has been left to a very few. It was very evident to the retailers during the past Christmas, that there is a brisk demand for well-grown flowering pot p ants. Should we not cultivate the tastes of our customers in this direction?

We have ascertained that to obtain good prices we must grow first-class stock. No off-colored, spindling plants will do. The requisites are abundance of flowers and foliage with graceful or stocky habit and colors such as are at present sought after. We should pay particular attention to the obtaining of the very best strains and varieties. As we sell the greater bulk of plants at holiday times we must aim to have them in at their best for the time specified. In doing this we must avoid overcrowding or overforcing. Only the most careful cultivation will insure us complete success. In taking a summary glance over our list of plants for market, I will note such varieties as are meeting with favor here and elsewhere.

From October to January we have pot mums, azaleas, cyclamens, primulas, heaths, double geraniums, lilies, poinsettias and epiphyllums; and in berried and fruited plants, peppers, solanums, ardisias and dwarf oranges. The mum grown in from 5-inch to 8-inch pots is very popular and salable if grown dwarf and stout with few stakes, good foliage and a reasonable amount of characteristic flowers. Cyclamens are most desirable when well done, and make good profit to the grower and the retailer. Primulas of the best varieties, well-grown, singly or in pans, make a good seller as a cheaper plant. Azaleas forced in at Xmas in variety are excellent plants and fetch good prices. In bright red flowers, so much sought after at Xmas, nothing is better than well-grown, well-foliaged poinsettias, and I believe epiphyllums would also be good for this purpose. In berried plants very few are grown here, and I would suggest a trial.

Rubbers in all sizes seem to be well adapted as an ideal foliage plant for most purposes and well-grown plants sell quickly. My experience has led me to ask why would not medium-sized crotons make good plants for the warm rooms of our customers in the winter months? In palms the demand is for well-grown home stock. Imported stock in kentias of late years has not been so good and is very soft, it being several months before it is properly fit for sale. Ferns are very popular, being much sought after, especially in Nephrolepis varieties, as cordata compacta, Bostoniensis, exaltata and davallioides furcans; and in pteris varieties, as tremula, magnifica and serrulata. With many Cyperus alternifolius is a good seller as a cheaper plant. Ferneries make a large demand for successive batches of 2½ and 3-inch ferns, and the market does not yet supply these in quantity needed at all times.

Lengthening our list of plants, we have cinerarias, hyacinths and bulbs in general, lilies, hydrangeas, pot roses, pelargoniums, fuchsias, marguerites, genistas, dendrobiums, forced shrubs and flowering plum crabs. Most of these we grow in general, but especially for Easter, our specialties then being lilies, good azaleas, pans of tulips, pot roses and spireas, white flowers being in the lead, with such exceptions as hyacinths and other Dutch bulbs, which make excellent sellers in pots and pans.

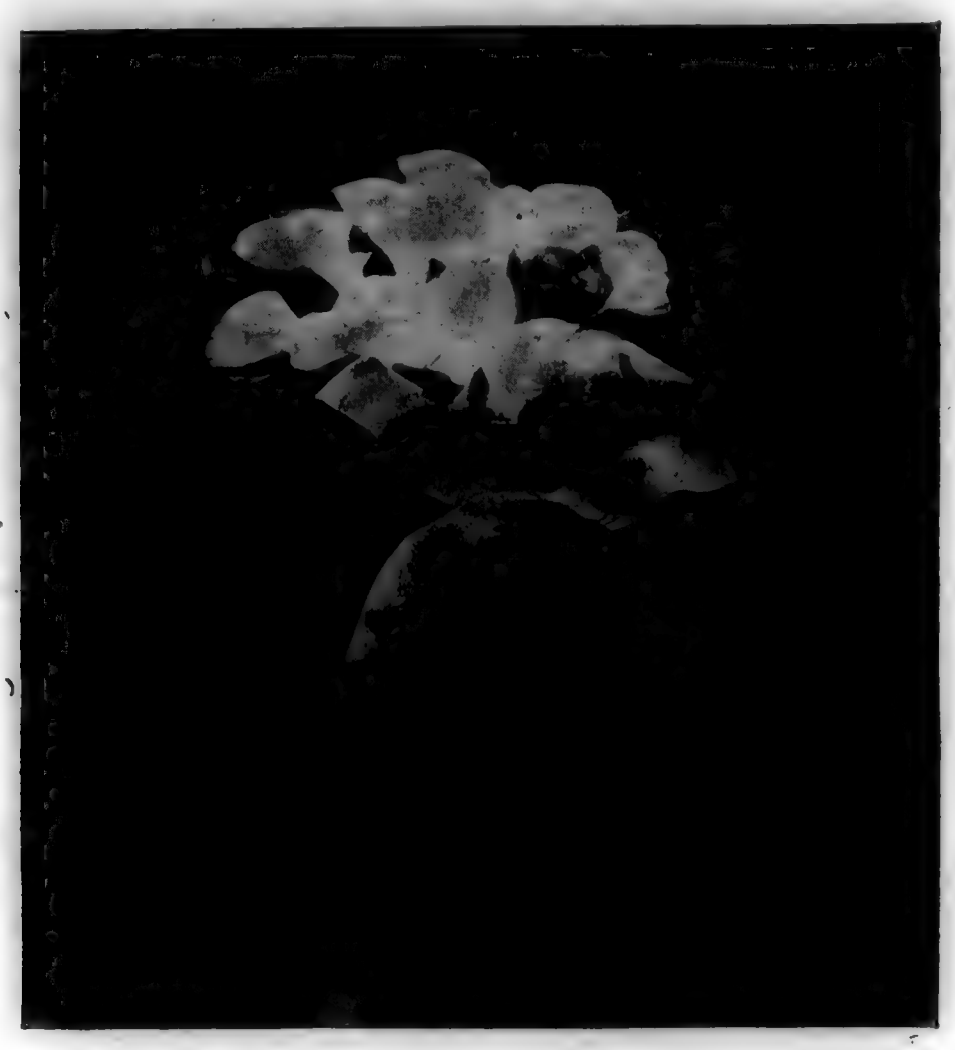
In bedding plants we find well tested newer varieties and novelties are the best sellers, if well grown and hardened off. Our midsummer plants are cut down to a few, perhaps the cream of them all for color and effect, but at present they do not appeal very strongly to the pockets of our customers, though they help to set off a retail store. They are fancy leaved caladiums, gloxinias, tuberous-rooted begonias, auratum lilies and fancy coleus.

SIMPLE FLORAL ARRANGEMENTS.

A Flat Cluster of Calla Flowers.

Although calla flowers, like the flowers of the tuberose, are not used in such numbers as they once were, for certain purposes they are useful and appropriate, as for instance in church decoration, where the odor of the more graceful Easter lily may be objected to; and there are still many to whom the calla is one of the choice flowers, especially for use at funerals. For this purpose they should be arranged in a loose flat cluster, somewhat as shown in the illustration, care being taken to overcome the natural tendency of the perverse flowers to assume the form of a closely packed cylindrical bunch.

These were provided with a backing of their own foliage, but as calla leaves wilt quickly, and their petioles are soft



Simple Floral Arrangements. No. 3.

and yielding, if the flowers are to be shipped, or placed where they are to be seen and used by someone having less taste and more clumsy fingers than the florist, it will be well to use a more rigid backing, or at least have the leaves well supported by other material. The ribbon used was No. 12, and yellowish green, but white or cream-white would be suitable, and for a cluster of this size No. 16 would be better.

A photograph made as this was, at close range and looking along the length of the object, is naturally somewhat foreshortened, and the portion nearest the camera is unduly enlarged. This cluster was nearly thirty inches in length and longer in proportion to its width than it seems. The fine foliage around the stems is Asparagus Sprengerii, which is very suitable for such uses. W. T. BELL.

Franklin, Pa.

VIOLET NOTES.

The continued cloudiness of the season is something unusual and has made it, and continues to make it, one of the hardest winters we have seen to keep, not alone violet houses, but all houses in first class growing shape. The season has been dark since the first of November, with so few exceptions in bright days, that practically we have had none. As a consequence, unless more than the usual amount of care has been bestowed in keeping the plants well cleaned up, they will not now be in the condition that they should be. They now begin, despite all this, to feel the first whisper of spring by making a growth that they will not at holiday time, and if you wish to make your crop a continued success till late in the season, special care will have to be exercised in regard to the four essentials of violet culture, viz., ventilating, heating, watering and cleanliness.

Don't make the mistake (because you are busy) of thinking that the weather is mild, and if you neglect the fire the house will be all right today without ventilating, etc. If you do, success will not attend your efforts, for one of three things will be sure to happen, either the day will continue cloudy and the temperature will be all right, but the air all wrong, being stale and just right to bring on a diseased condition (as it would on yourself if you had to remain in it), or the fire will be warmer than you expected, so that the temperature will be too high; or the sun will come out for a short time, and cause the same results, and so it goes day after day. The price of good violets is "eternal vigilance," and not relaxing your care for even a day.

They cannot get too much ventilation judiciously applied, as fresh, brisk air is absolutely necessary to thrifty, stocky, healthy plants, and if the houses are close, with a heavy atmosphere, the plants will inevitably get weak and sickly, and ready to go into a decline with the first disease that comes along. We were in a house not long since where we were not surprised at finding the plants doing nothing. It was about noon, outside temperature about 32 degrees, about one inch of ventilation on in every twenty feet, steam on all but one run of inch pipe on each side of the house, and in addition to all this, the sun came out for an hour or so. How they could be expected to do anything is more than I can understand, and then, too, the houses were quite exposed. I doubt if there was piping enough to keep out the frost on a very severe night, and violets will not flourish well in such extremes of temperature.

The owner of this house is a first-class grower, but was away at the time, and I take it his foreman is not a violet grower. No violets have been picked from that house yet. If it were mine, I would sell what will be picked for a year's subscription to The Review, and I would have the best of the bargain.

Watering is equally important with ventilating, but will have to be taken up next time. R. E. S.

VIOLET HOUSES.

I am building some violet houses, 10 feet wide, with wall one foot high, to plant in the summer and then put on sash in the fall. Will you advise me how to pipe same to the best advantage for the plants? J. H. L.

J. H. L. has asked a question that would be much easier to answer if he had stated his outside temperatures, height of houses, and whether the system of heating was hot water, open or under pressure, or steam. If persons asking these questions will bear these points in mind, we could answer much more accurately. It should also be stated whether the houses are open between, that is, under gutters, making it all one house practically, also if they run north and south or east and west; many things are to be taken into consideration.

For this vicinity (twenty-five miles southeast of Albany, N. Y.), supposing the houses to run east and west, and hot water under pressure to be the heating system, we would run a 3-inch main down the house under the ridge, if the house was high enough; if not high enough for this, then two 2-inch mains a little below and at each side of the ridge, then branching each way at the end of the house, with 2-inch pipe running back, with two lines of 2-inch pipe on each side of the house, one line close to the eaves or gutter, the other about a foot above this. Have a valve in each run of pipe, so as to be able to cut off each separately, according to the weather. If the houses are in a very exposed position, it would be well to have an extra run on the north side for use in severe spells. One of the great secrets of success in heating is to have

pipes properly graded, as a very small sag will sometimes greatly impair the rapid (and consequently economical) heating of a house.

R. E. SHUPHELT.

Chatham, N. Y.

VIOLET NOTES.

Mr. W. Scott, in his article on violets in No. 7, claims, that rooted runners only will give satisfactory results, and that they must be planted in solid beds only, in order to achieve success. Our method of growing is somewhat contrary to his, and yet our success this winter would be hard to excel, and with the majority of good growers, hard even to equal.

We grow in both solid beds and benches, both systems having the glass off during the summer, and our plants are the picture of vigor, health and abundance of bloom. Our method of propagation is different from his. In April, when the plants are through blooming, we divide the old plants, making as many as 40 to 50 plants from one. We manage to have a little root on each one; any without roots are put in the propagating bed, the crown thrown away and the rooted divisions potted into 2½-inch pots and placed on the same bench, from which the old plants were removed. Of course great care should be exercised in shading, watering and ventilation, until the roots begin to start, after which they are all right.

By this method, we have met with as good success, I imagine, as with his rooted cuttings, only, although rooted runners, we admit, are preferable; yet it does not follow, that in order to achieve success we must have rooted runners. Again, we have met with equal success with solid beds as with benches, and, indeed we think better; in fact, we prefer them, and excepting the solid beds we now have, we shall in the future plant in benches only. One great factor in benches is that you can dry them out better in damp, wet weather; also regulate the watering to better advantage, which, to grow violets successfully, means no little measure towards success.

GEO. F. CRABB.

MISCELLANEOUS SEASONABLE HINTS.

Primula Obconica.

It is too early yet, middle of March will do, but as soon as you can procure fresh seeds of Primula obconica sow it. It takes longer than the sinensis type to make a good flowering plant. They don't poison every one and are so profuse in blooming that they are one of our important midwinter, inexpensive plants.

There is a demand at Easter for plants to suit all sizes of purses and last year we found that pans of pansies, of good stem and full of flowers, sold well. There is also this advantage that the plants, when out of flower, which doubtless they would be in a few weeks, kept in a warm room would recover and give lots of flowers if planted out the end of April. We have plenty of customers who would not consider this trifling advantage, but there is a large number who would; the same class of sweet ladies who ask you "What shall I do with my geraniums in the fall?" Try and answer such questions with a little humor, a little sarcasm, plenty of good nature, the whole seasoned with respect, and you most likely have cured your patron of putting such idle inquiries unless she is a rural dame, "who loves posies and you ought to see her Begonias to home, what Congressman Boodle brought from Washington and give a slip to her aunt." Don't waste any time or breath on that breed. If you have pansies in a cold frame, dig up some the first occasion that the frost is out of the ground; it is not too early. If in separate colors, so much the better, for a pan of yellow or blue pansies would be bound to sell; but who ever saw a mixed bed of pansies where the colors did not harmonize! A very light house where the night temperature is about 45 degrees will do well for these little plants. You want them to grow, but not grow tall and spindling. I have a bench at present of a thousand or two. The house has been down to 40 degrees many cold nights, and being very light the plants have grown very sturdy, but only now commencing to open their lovely, expressive features. I shall lift a lot of these into 6, 7 and 8-inch pans and keep them as cool as possible, for being all ready to bloom and much larger plants than those from a cold frame, they will come along plenty early enough with the natural advance of the season.

Bougainvillea Sanderiana.

A lot of cuttings of Bougainvillea Sanderiana put in the sand in October, although by no means hard wood, have rooted but indifferently, not more than 50 per cent. Those put into heat 6 weeks ago and now showing their flower buds are also making a young tender growth that will strike as freely as a verbena. You can get a few cuttings off each old plant without in the least robbing to any serious extent.

Begonia Manicata Aurea.

A plant that I had occasion to mention and which may appear in another column of The Review, is Begonia manicata aurea. If anyone has a large stock I am not aware of it. It is not valuable for its fine spike of pink flowers as is the type, but for its beautifully mottled foliage. If it were a tender fastidious plant its mottled green and golden leaves would have little value in the eyes of the commercial florist, but it is not; it is par excellence, one of the very best plants to withstand the dry air of a steam heated room. It grows slowly like most good things and propagation by cuttings is slow, but it can be produced freely by pieces of the leaf as you do the Rex type. A batch put in about October 15 is now showing up with their little leaves. You don't want this for spring sales. Plants rooted in fall or midwinter would not be large enough, but you will have fine plants for next winter's sale. For an amateur conservatory, of which I am glad to say there seems to be quite a revival, it is an ideal plant. I beg to say by "amateur conservatory," I don't mean the detached conservatory and other houses presided over by a professional gardener, but the little 8x16 structure that now is attached on the sunny side to so many of our luxurious residences.

Palms.

There is at the present time an opportunity to do up some jobs round the greenhouse that may not appear absolutely necessary, but yet will well pay for the time spent. One of these is to have a thorough overhauling of your palms, big and little. Be careful of overpotting, if you need any at all. Palms, all of them, will thrive in a remarkably small pot, apparently out of proportion to their size, if well cared for with water and a proper temperature. This is not a bad time to shift, if it must be done. As the days are getting longer there will be more light, more heat and more inclination to grow top and bottom. But it was not shifting I alluded to, it was sponging. In the best regulated houses mealy bug and white and brown scale make their appearance. Go over them all with a sponge and a tub of water in which you have added one-sixtieth part of Rose Leaf Extract of tobacco. In going over them, small plants especially, it does not take long to knock out a Kentia Belmoreana in a 4 or 5-inch pot. See that the crock and perhaps piece of green moss is in shape to let water pass freely through. Pull out a big worm or two; rub off an inch of the worn-out soil on the surface and replace with fresh loam. In nine cases out of ten this is all the palm will need

and better for its health than a shift to larger sized pot. At this, as well as all tedious jobs, don't let one man or lad do it. Man is a gregarious animal and loves company; if he don't he is diseased. Let two be at it. They will work, talk and be merry, and can, without detriment to their work, either in speed or quality, discuss Teller's silver bill, "Helpful Reminders," or any other instructive or important subject.

Ficus Elastica.

There is quite a dearth of rubbers just now. Ficus elastica must be used somewhere in large quantities. Without doubt, it is a fine plant and we shall in future endeavor to raise our own. I am an earnest believer in that most advanced state of civilization known as "division of labor." The average florist had better leave to the specialist the raising of young palms, ferns and other things, as he does to the Dutchman his hyacinths and the Bermudian his lilies, but the rubbers are so easily increased, if you have a few old plants, that you might as well increase your stock. Four or five eyes below the end of the shoot make a cut, slanting upward, an inch or so long, and half way through the shoot; insert a little sphagnum moss to keep the incision open, and wrap a little of the same material round the shoot above, below and to the thickness of half an inch round the cut. If the temperature of the house is kept up to 60 degrees or above and the moss kept moist by an occasional syringing, roots will soon appear when you can sever the shoot just below the cut, and you will soon have an established young plant, which you should not overpot when first taken from the parent tree.

Propagating.

You should not allow a single foot of your propagating bench to now lie idle. The spring will soon be here, and don't be found deficient on any stock for which you always have a good demand. This is about as late as fuchsias should be propagated, and make good plants for spring sales. There is santolina, Begonia vernon (if not raised from seed), lobelias, abutilon, vincas, coleus, achyranthes, senecio, lophospermum, anthericum, all of these should be propagated as fast as you can afford to give them room.

Ivy Geraniums.

Not least in importance are the beautiful ivy geraniums. They are as much a pelargonium as any of the so-called geraniums, but are very different in habit. They cannot be recommended as a bedding plant, for when given root room go out of flower and into a vigorous growth, but they sell in our markets and thousands are used in our cemeteries as an edging to a vase or basket. Hundreds of vases are filled in our cemetery (Forest Lawn), where Emile de Gerardin occupies the center and a semi-double ivy leaf is the entire edging drooper or "vine." It is demanded and we must obey. Plants that we propagated in October are now in 3-inch pots and will make fine (15cent) plants by the end of May. Their tops will even make fine cuttings and root like a weed, and make useful 3-inch plants by selling time. Pot them in the sand, not pot them as you would a zonale geranium.

Care in Fumigating.

Just let me remind you for the seventh time that you must not fumigate in a house where the young growth of astilbe is now expanding. Wetting it thoroughly will help when smoking. Covering with papers or cloth is better, and no smoke is best of all.

Azaleas Wilting.

I also notice in florists' windows (my own among the rest) beautiful plants of Vervaeneana and other azaleas allowed to wilt. It is simply want of a good soaking. The clerks are prevented by an abnormal development of length and stiffness of shirt collar from lowering their vision to the level of the pots, and the poor plants have to suffer. These azaleas make no roots, at any rate till spring, in the new soil, and a heavy watering is necessary to sufficiently wet the old bulb, so don't neglect. When you lose a good azalea you have knocked off the profit of at least the sale of two others. W. SCOTT.

CHRYSANTHEMUMS

CHRYSANTHEMUM NOTES.

Cuttings.

Cuttings may be inserted right along as they are ready now, and should not be left on the stock plants long enough to get run up and spindly. It should be remembered that when rooted, they can be boxed up, and when growing again they can be topped, and the stock thus rapidly increased to the desired quantity. Much has been said and written on the question as to whether cuttings should be trimmed or not, some maintaining that they should not, while others claim that they should. It is hardly worth while arguing about it, as the mum will root anyhow; but one thing stands to reason, that when the bottom leaves are taken off and the others just tipped by one stroke of the knife, it adds greatly to the appearance of the cuttings in the bench, and allows the air to circulate between the rows; thus reducing to a minimum the danger of damping or fungus striking in. The bottom leaves always die if left on, so I don't see why they should not as well be removed first as last.

The cuttings should not be allowed to wilt down in the sun, if it is possible to keep them up. Our propagating house faces north and the sun never strikes it at all, but where growers are not so favored, the cuttings can be shaded with newspapers, which should be raised several inches on labels or short sticks, to allow a current of air to pass beneath the papers and the bench. When we put in cuttings we water them thoroughly, and oftentimes they get no more till they are ready to be taken up. We do not believe in syringing them in the bench, because if the house is kept comparatively cool, as it should be—50 degrees nights and 55 degrees days—they do not need it. With this treatment, and with proper cuttings, we guarantee 100 per cent every time.

Watering and syringing are in too many places entrusted to the boy, when in reality no part of the routine of greenhouse work is so important. Some varieties, if they get too much syringing in the cutting bench, will lose their points by damping, Mayflower being a particularly bad one in this respect, and as it is also with us mighty slow in throwing cuttings, one cannot afford to lose many.

One thing that should be particularly noted is to have the cuttings free from black fly before putting them in the bed. A dip in tobacco water will dispose of them quick enough, and it pays to begin like The Review did, "On a clean foundation." The old plants should be well dusted with tobacco dust, to keep them clean, and mildew, to which this vile weather has introduced us, can be easily cleaned off with sulphur.

When cuttings are rooted, if the idea is to grow them into specimen plants, they should be potted up singly into 2½-inch pots from which, as they fill the pot with roots, they can be moved into 5-inch pots.

For ordinary work, the young plants can be put into flats. This is the simplest and quickest way, and answers well enough. The soil for the first shift should have a little leaf soil or old mushroom bed manure mixed through it, to lighten it somewhat, and encourage root action, the object being to get nice, thrifty young plants, perfectly healthy, without any pretensions to grossness. C. TOTTY.

JUDGING NEW CHRYSANTHEMUMS

I see it has been suggested that raisers of seedling chrysanthemums be required to send flowers to all of the different cities where there are committees of the Chrysanthemum Society of America. While I admit that the average of the judgment of the various committees might be desirable, the ex-

pense of exhibiting before them all would be so great as to prohibit a small grower from presenting a seedling for the consideration of the society. All the best new varieties do not come from the large growers, to whom the extra expense might not be a serious objection. As I understand it, the object of the society is to encourage the production and dissemination of meritorious new varieties, as well as to deter growers from disseminating those that lack merit. If the rule suggested were adopted, the society would assuredly take a step backward. Don't bar out the little fellows. They may do better work occasionally than the big ones. JOHN BEIMFORD.

DISEASED LILIUM HARRISII.

To Prevent Their Importation.

Editor Florists' Review: — I see, through the press, that a bill has been introduced in the Senate regulating the importation of trees, plants and shrubs and other nursery stock, to prevent the importation and spread of injurious insects and fungous diseases. The bill, as I understand it, provides that all nursery stock imported shall be inspected and if found free from injurious insects or diseases receive a certificate to allow the owner to transport and sell it.

Could not this be extended to bulbs also? The way we have been taken in by the Bermuda lily growers of late is nothing less than fraud and has some similarity to the Chicago gold brick industry. I am positive that if a law was in force preventing the importation of bulbs infested with dangerous insects, 75 per cent of the lily bulbs we receive now from Bermuda would have to be sent back, and the growers would wake up to the necessity of discriminating between a good and a bad bulb. They have now a practical monopoly of the Lilium Harrisii trade, and this may account for the carelessness, greed and insolence they have shown.

I am convinced that the disease(?) of the Lilium Harrisii is caused by the bulb mite, Rhizoglyphus echinops, or Rhizoglyphus Robini, as some German publication calls it. This is a very dangerous insect. It is as fond of the hyacinth, tulip, iris, or other flowering bulbs as it is of the lily, and carefulness by grubbing out and burning every bulb that shows the least sign of this insect has kept it down in Holland. But sometimes we strike bad cases from there. I received a shipment of 10,000 Spanish Iris this fall which were badly infested with Rhizoglyphus, some bulbs literally filled with these insects so that I had to burn the whole lot.

Every forcer of bulbs will find among his hyacinths, tulips, etc., bulbs where the center is rotted out. If he will open these and examine them with a good glass he will find Rhizoglyphus present. As to Bermuda lilies, he will have no trouble in finding from 25 to 250 on each bulb. I understand that the Japanese have imported some Lilium Harrisii from Bermuda. If this is the case it may account for the presence of this bulb mite in Japanese Lilium longiflorum. About 5 per cent of my Lilium longiflorum from Japan are so infested, and if the same carelessness is shown over there as in Bermuda, this percentage will increase from year to year.

Now, Mr. Editor, I wish you would agitate a little, through your paper, amongst the florists of the country, in favor of such a law as mentioned above. It is impossible for each individual florist to inspect his own importations, as he would be obliged to pay duty first before he could do this, besides putting himself to trouble and annoyance. A government inspector could do his work at the port of entry. It would also stimulate the growing of these bulbs in the United States. EMIL BUETTNER.

BUILDING AND HEATING.

Replying to the inquiry of Madelia, the property he describes is an ideal location for a range of greenhouses. Noticing that his present and immediate future business demands the production of a general and miscellaneous stock of plants and cut flowers, I would suggest the erection of an even-span structure, about 18 feet wide, running north and south along the western edge of the central ravine, the house to be divided into sections according to his requirements, by means of glass partitions, the house being placed sufficiently north of the ravine to allow of a roadway between the house and the ravine. The boiler house would be placed on the slope of the ravine, about 25 feet from its upper edge, thus leaving space for the building of a three-quarter span house along the top of the ravine, facing the south, should he at any future time require such a house for rose-growing, which he undoubtedly will. This future rose house would then be low enough and sufficiently distant from the southern ends of the even-span houses to avoid any shadows being thrown upon them.

The sides of such a house would be about 4 feet 6 inches high, of which two feet would be of glass, made stationary; the ridge would be about eleven feet high, with a continuous line of ventilating sashes along each side of it. For posts I would suggest locust, red heart cedar or cypress, giving preference in the order mentioned; these posts should be sawn on all sides to any convenient size, 3x4 inches being desirable, and should be set not less than 3 feet in the ground, and in setting the posts be careful to set them square to the grade line, not plumb, and see that all other work follows the same square lines, or you will have trouble in the glazing. The roof bars should be two and three-quarter or three inches deep by one and one-half inches wide, machined with a condensation groove, all bars running from ridge to eaves, and for the header upon which the ventilator closes use a strip about two by one and one-half inches, in which square grooves are cut, corresponding to the top of and to the spacing of the roof bars, these grooves being, thus, about eleven-sixteenths of an inch wide by one-half inch deep and with 16 eleven-sixteenth centers, if 16-inch glass is used; this strip to be nailed on to the top of the bars so that each bar fits into its respective groove, thus maintaining the proper spacing of the bars and furnishing a true line upon which the ventilators may close. The ridge could be of 2x6 or 2x8, and the cap of 3x1½-inch cypress. For the support of the roof place 2-inch pipe columns every eight feet under the ridge, and about 18 inches up from the center of each slope of the roof attach a continuous line of 1¼-inch pipe, by means of tin straps, and then by means of 1-inch pipe struts or posts, connect these horizontal pipes, or purlins, to the central 2-inch columns, about 5 feet 6 inches up from the floor. This makes a very economical, rigid and durable bracing.

For glass, I would suggest using that 16 inches wide by 20, 22 or 24 inches wide, according to the stock held in your market, the quality to be that known as second, and of double thickness. The bench legs and bearers should be of cypress, 2x4, and the bottoms may be of cheaper material, say, of hemlock, but if you have the capital to invest, use the cypress; it will pay. The side benches would be about three feet wide by two feet high, the center bench about seven feet wide by 2 feet 3 inches high, and the two walks about 2 feet 2 inches wide.

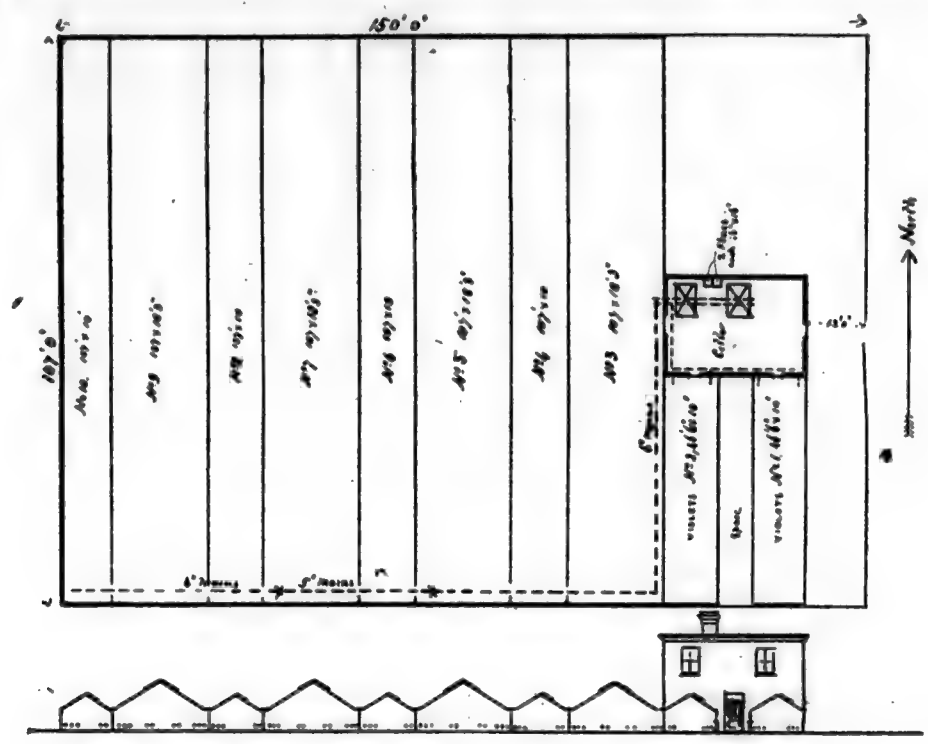
For heating, I would suggest the installation of a boiler having sufficient capacity for double the first house, say, one with about thirteen square feet of grate surface and heating surface in proportion, and for the piping of the house use 1-inch pipes, the 70-degree section requiring 22 lines, the 60-degree portion 16 lines and the 50-degree part 13 lines, the pipes in each section being arranged for a separate circulation. The work room, offices, etc., could be conveniently placed at the north end of the house, and would there afford some protection.

HENRY W. GIBBONS.

New York.

BUILDING AND HEATING.

In reply to E. G.'s inquiry, as to the general lay-out for a range of greenhouses to cover a plot of ground 107x150 feet, its length running east and west, on which stands a two-story building, 18x25 feet, this building being located centrally at the eastern end of the plot, about 12 feet west of the eastern boundary, the grade of the land falling slightly towards the southeast corner, and the houses to be arranged for the production of carnations, general bedding stock and violets, I would suggest a range of even-span houses, running north and south, arranged about as follows: Commencing on the



Suggested Range of Glass for E. G.

eastern line of, and running south from the two-story building, would be an even-span violet house, No. 1, 10 feet by 46 feet 6 inches, with one line of ventilators on the eastern slope of the roof, and one on each of the vertical sides, below the eaves. I would leave a space about 5 feet wide, which would allow of a second violet house as above, having a line of ventilators on the roof, and one line on the east vertical side only, the eaves on the west side being on a line with the west side of the two-story building, would have a gutter, and from here out towards the west would be a solid block of even-span houses built on the ridge and furrow plan, the first, which would be house No 3, being 18 feet 3 inches wide by 107 feet long, as would also be houses No. 5, 7 and 9, houses No. 4, 6, 8 and 10 being 10 feet wide by 107 feet long, the wider houses having a continuous line of ventilators on each side of the roof, and the narrower houses only one line, which would be on the east side of the roof.

It will be necessary to make connection between each house by means of doors, these may be at either end or at the middle as may be most convenient, the gutters having a fall from the doorways to the ends of the houses. Houses No. 1 and 2, having extra light and ventilation, would be best adapted for the violets, the others being used for carnations or bedding stock as convenience or requirements may dictate. If it is not desirable to cover the entire plot, the intermediate narrow houses may be omitted, in which case I would advise that the vertical sides of the wide houses be made with glass.

For the heating of the entire range, you will require double-flue chimney, each of the flues being 16x16 inches, and extending about eight feet above the roof of the building. Two boilers will be necessary, each having about eight square feet of grate surface, and for the piping of the houses, I would use 2-inch wrought iron pipes, arranged about as follows: In house No. 1, three lines of pipe under each side bench; house No. 2 will need three lines under the west and two under the east bench; house No. 3 should have three lines under each side bench, and four lines under the center; this would also be the arrangement for houses No. 5, 7 and 9; in No. 4 two lines under the east and three lines under the west bench would be required, as would also be the case with houses No. 6 and 8; house No. 10 should have three lines under the west and two lines under the east bench. The mains, which would run from the boilers into No. 3 house, and then along the east side of this house to the south end, and thence across the end of the other houses, would be of 6-inch pipe from the boilers to the west of house No. 5, then reducing to 5-inch to the west of No. 7, and then 4-inch, a separate 3-inch main leading from the boilers to No. 1 and 2. I would valve the pipes in each house, and place the expansion tank in the second story of the present building.

HENRY W. GIBBONS.

New York.

SWEET PEAS.

As this reaches growers only, we will refrain from giving any attempt at extended cultural directions, as the field has been so ably covered from time to time in the various journals that by this time probably every one has formed an opinion as to the methods they intend to follow. There are a few points, however, that we cannot refrain from touching upon.

The soil should be worked as deeply as possible, and before planting be well rolled or trampled.

Drainage should be seen to carefully—better a spot on the dry side than one where at times the water is hard to dispose of.

Supports must be provided—either wire or brush. If brush can be obtained it is preferable, and elm brush is the best, but it must be free from leaves, as they harbor so many insect pests. It is foolishness beyond all reason to attempt to have healthy vines where you wait till leaves are out before cutting the brush and fail to remove them.

As to the merits of deep or shallow planting, we would say that we favor both, and will explain: First, for early planting where severe frosts are to be expected, plant deep. Second, late planting should be planted shallow—1½ to 2 inches is plenty—and the seed should be previously soaked in lukewarm milk or water for five or six hours.

If you can't or don't plant early—real early—then plant late and plant shallow. Wait till danger of frost is past (counting from time you expect the peas to be up), and watch them carefully. Do not allow them to get dried out early in life. Water them when young, and later on in the summer they will take care of themselves.

Whether planted in trenches or not, if sowed broadcast, the row must be thinned out by hand when large enough; overcrowding is one of the greatest faults with which we have to contend. We strongly advise the separate dropping of the seed by hand as being the cheapest in the end (an ideal marker is a notched stick 1x4, about 8 feet long, with side braces to handle, something like an overgrown rake with the teeth straight out).

If possible, mulch the ground between the rows heavily. This keeps down weeds, and if stable litter is used the rains or waterings will carry the soluble parts to the plants, greatly to their benefit.

The gray blister beetle, so destructive to asters, is equally fond of young sweet pea vines. A mixture of one tablespoonful of London purple, two of fresh slacked lime to an ordinary pail of water, sprinkled on with a whisk broom, will drive away those it doesn't kill.

During hottest weather an occasional evening or entire night, if necessary, is well spent spraying. The dust must be washed off and the red spider kept down. Never sprinkle when the sun is out—better leave it undone.

If you want flowers from the beginning of the season, without a break till frost cuts vines down, cut every flower formed—good, bad and indifferent. Whether you need them, can sell them or not, they must be taken off. Often a rain will spoil thousands of blossoms; let the pickers go through and gather them. During the height of the season, when the glut is on, it don't pay to pick them—pick them just the same. Send only the best to market—your time will come later; you

will have flowers to sell when others have memories only.

As to varieties: Avoid a great number of varieties where the colorings are the same or similar. Limit yourself (we speak now as to main crop) to two white, one each lavender, pink (Ex. Ey. Blanche Ferry or type), salmon or blush, yellow, red, blue, maroon and variegated. Plant enough of each so that when you cut you have some.

Have a trial row. Have all the new ones each year. If you cannot afford to do this all by yourself, club with your neighbor and divide the seed. Don't be afraid to let him in—beat him out by growing yours better than he does his. Make it a rule to test twenty varieties each year in this row.

Keep a page of your notebook for your observations; you will then know next year what varieties you want, better than you do this.

Don't try to grow your own seed. There are people making a business of this that are doing it better than you can ever hope to.

If you are in doubt as to what varieties to plant, leave it to your seedsman.—Retlaw, in Hunt's Trade Review.

PROVIDENCE, R. I.

At the Rhode Island greenhouses I found Mr. Miller throwing out one house of roses to make room for young stock. He had heavy crops during the holidays and can afford to discard one house, having several others cropping. His carnations are yielding well, particularly Alaska and Scott. Outcast is proving itself worthy of a place; 'tis much more satisfactory here than Portia. Theo. Egger, who was many years with H. A. Dreer, has charge of the carnation houses.

Farquhar Macrae is picking some grand Mrs. Geo. M. Bradt and Minnie Cook. Jno. Macrae is sending in some of the finest Scotts ever seen here. He is also strong on the double bouvardia Alf. Neuner. 'Tis a fine flower as he does it, grown cool, full of substance.

E. J. Johnston has a house of a select strain of Machet mignonette which is selling well at a good figure. Tom Johnston (who, by the way, is a bureau of information in himself, and a pretty good sized one at that, as those who have the honor of his acquaintance will testify), informs me that bunches are becoming more popular each season. Tom is an expert in this art, which may explain the cause. He showed me some handsome roses and carnations from S. J. Reuter, of Westerly, and Marie Louise violets from W. Hazard.

Jno. Macrae, until recently, had the greatest success with violets before he rebuilt the houses, since which time he can do nothing with them. It is the loss of much revenue to him, though compensated to some extent by the fine carnations he grows.

T. O'Connor missed it on azaleas, but hit it on cyclamens, of which he had the best lot in town; sold like hot cakes, and a splendid lot of cut stock. Albertini and G. M. Bradt brought $1 per dozen. Jahn's Scarlet is immense here, a brilliant shade, handsome flower, very free. No doubt this carnation will be grown more largely when better known. Violets are clean, which fact is attributed to the application of Ivory soap suds applied through a Kinney pump, which effectually got rid of green fly and red spider and did not affect the fragrance of the flower. In one house I noticed a fine lot of stock Princess Alice planted for Easter, and the first batch of narcissus Golden Spur. Roses, particularly Bridesmaid, are very fine. Of lilies for Easter I will say nothing. Shall be pleased to run across a batch free from disease.

Wm. Flanagan finds his stock does much better since he fixed up his plant. The handsome double windows give the place quite an imposing look.

Fairbrother & Wood intend adding to their plant, not being able to grow sufficient stock to supply their downtown store, which is in charge of the irrepressible Johnny Wood; he is a hustler. There is some talk of appointing him M. C. at the social to be held on the 28th inst., when the newly appointed officers of the club will be installed, and to which event the fair sex will be invited. The new staff is J. Canning, president; W. E. Chappell, vice-president; Alex. Rennie, secretary; Farquhar Macrae, treasurer. As these gentlemen are well known for their "get there" qualities, undoubtedly the club will acquire renewed vigor.

I understand Messrs. Geo. Johnson and W. Butcher will furnish the decorations under the direction of Wm. Appleton. W. H. Mason, the retiring secretary, still takes a lively interest in the welfare of the club, which has done so much toward promoting unity amongst the members. W. M.

BALTIMORE.

Resume of the Market.

Judging from the number of wedding decorations, etc., which took place in the Monumental city this week, one would suppose the florists stood right in with that capricious little individual called "Cupid" and allowed him a liberal commission for his prompt action in facilitating these welcome events.

Business is now greatly improved and is once more moving along at the average pace. As stated above, weddings have been numerous, while a number of teas, the usual Monday german and a general improvement all around, have given an increased velocity to the wheel.

The commission houses have had a hungry look, as flowers have been barely equal to the demand. Roses are especially scarce, particularly Maids and La France, which, owing to the bad weather, have suffered very much. Violets are plentiful and have a steady sale, while with carnations the supply, though heavy, is just about equal to the demand. The balance of the list are of about the same proportions as last quotation, with little or no change in price. Very few novelties are now seen. Jacques have now put in appearance, with the indications of being a heavy crop.

Gardeners' Club.

There was a fairly good attendance at the meeting of the Gardeners' Club, Monday, January 25, President Pentland presiding. After the general routine of business the subject of an annual supper was discussed, and the matter then placed in the hands of the executive committee for development.

Question Box.

"Is there any advantage in budded roses over those grown on their own roots, supposedly out-of-door planting?"

Regarding this question there seemed to be a diversity of opinion, yet the majority thought the method unsatisfactory on account of the strength being sapped from the plant by wild suckers. Mr. Pentland then gave a method which would eliminate this evil. He said, in part, that care should be taken to bud in the early spring before the sap begins to flow, and that the bud be placed very low on the manetti stock, which in a measure would prevent the plant from making shoots below the bud.

"Has any one used Jadoo fibre and with what results?" As this article is yet a stranger in our state, the question was not answered. Mr. B. N. Lehman, secretary of the American Jadoo Company, Philadelphia, happened to be among the guests of the evening, and was prevailed upon to give a talk upon the subject, which not only proved interesting but instructive.

Mr. William B. Sands spoke of the advisability, to keep up interest in club affairs, to inaugurate a "good of the club" feature in the order of business. Among other suggestions was to have a co-operative plan by which members in good standing could club together and buy their yearly supply of coal, etc., in bulk, at greatly reduced rates. The above suggestion is food for thought, and the writer would like to see such a scheme take tangible form. He would also like to see the said cooperation extended toward making a more uniform price, both wholesale and retail.

Mr. I. H. Moss, of Govanstown, exhibited two very pretty seedling carnations, one pink, on the order of Scott, but extra fine and large, the other a peculiarly mottled pink, which had a perfect form and stem. This will no doubt have a place. C. F. F.

CLEVELAND.

Weather and Market Conditions.

Weather and business continue to be satisfactory. Although the former has been throughout the month of January rather gloomy, yet it has been very mild, much of the time being hardly below the freezing point, while at no time have we had more than twenty degrees of frost and these spells were of extremely short duration and only occurred twice. We have also had two thunderstorms of a very mild description and one very violent windstorm, wherein Old Boreas blew his best—seventy-two miles an hour, according to the local weather bureau. So far as has been heard, little damage was done to any greenhouse property beyond the blowing out of a few lights of glass or the smashing of an occasional ventilator.

Business, as has been remarked, as regularly as the issue of The Florists' Review, has been good and seems to promise fairly for some time to come. There has been practically no change of any moment in prices of stock in any line. Bulbous stock is daily getting more plentiful and is now of very good quality. There seems so far to be a market for everything that is offered in this and other lines. Carnations are made a little easier in supply by reason largely of the improvement in quantity and grade of bulb stuff, people now having them as an alternative to the carnation as an effective and durable flower for general use. The actual supply of them has not increased to any noticeable extent as yet. Violets are good and selling very well. Roses also are coming better in quality than of late, although the cut has not increased much at this writing.

The Harrisii Lily.

Harrisii lilies, which have been in fair supply since the holidays, are now slightly scarce, with quite a little demand. Whether the shortage is entirely due to the holiday season having been a little too much in the grower's eye to allow him to look after his supply that should follow immediately after that time, or is due to an unusual amount of disease in the bulbs, is an open question. In looking over reports in the trade journals, one cannot fail to be struck by the unanimity of the complaint that is going up from all quarters in regard to lily stock. Cleveland seems to be as badly off in this matter as other localities. Out of many lots that the writer has seen in his peregrinations about the city, only one instance can be recalled in which this complaint has not been made. In this one case an improvement over last year was reported. The five to seven size seems to be worse than the larger sizes, which would seem to indicate a bad outlook for next year in the next larger size, should no remedy be found in the meantime by Bermuda growers. One lot of 1,000 of five to seven that came under the writer's eye was put in a temperature of 55 degrees in the fall. About 10 per cent were thrown out when first brought in. As they grew, at various times, about 15 per cent more were unceremoniously discarded. The earliest were never graded for harder forcing, but were simply cut as they opened. A few bloomed at Christmas, and they have been straggling along ever since. Some will not be through for another month. In the meantime another 10 per cent has been thrown out and one-fourth of the balance is in a worthless condition today, with more to hear from later. This stock has never been subjected to unfavorable conditions, yet it will not be likely to show more than from 30 to 35 per cent of perfect stock out of the entire 1,000. Where is the money in forcing Harrisii lilies under such results?

Various Items.

There have been no very large social events lately, but small work and funerals have furnished a good deal of business. At the funeral of Mrs. Bingham during the past week a great many very fine flowers were used. In fact, the bulk of them were orchids, violets, American Beauties, valley and smilax, high grade stock. There was little wire work and the emblematic monstrosity was entirely absent.

Miss Eadie left for Florida a short time ago. She may be gone two months.

Mr. Boas, representing Edwards & Docker, was in town lately.

NEMO.

MORRISTOWN, N. J.

The first annual dinner of the Morris County Gardeners' and Florists' Society, held at Washington Hotel, was an unqualified success in point of numbers and general enjoyment, and Wednesday evening, Jan. 26, will remain long in the memory of all as a feast of good things, good songs and good fellowship. Mr. Wm. Duckham, and officers of the society, you are to be congratulated.

Mr. Patrick O'Mara was the toastmaster of the evening and it was an ideal selection. He was as ready with stories as our "Chauncy," and as witty as Mark Twain, and if you were called upon to make a speech and could not, Mr. P. O'M. would soon come to your assistance. He was the "E pluribus unum," and contributed greatly to the success of the dinner.

Being right in the heart of the rose-growing district of the United States, if not the world, it was only to be expected that the decorations would be "roseate" and fully sustain the reputation of that section. Contributions were made by the following: Messrs. Reed and Noe, roses; Mr. A. Herrington, some splendid cattleyas; Mr. J. Jones, Convent Station, some excellent mignonette and violets.

The following toasts were responded to over the "nuts and wine:"

"Our Society," by Mr. Duckham, president of the society, who was very eloquent in the society's behalf and felt deeply the honor of responding in the presence of such a success.

"Gardening as a Fine Art," by Mr. A. Herrington, who waxed quite poetic and reminiscent, and quoted the following well known lines of Shakespere:

"This is an art
Which does mend nature—change it rather;
But the art itself is nature."

"Morristown and Morris County," by A. L. Adams, editor Morristown Express.

"Sister Societies," by Geo. W. Smith, of Orange, N. J.

"Seeds, the Kernels of Prosperity," by Mr. Harry A. Bunyard.

"The Commercial Florist," by Mr. F. L. Atkins, Short Hills, N. J.

"Horticultural Exhibitions the Greatest Educator," Mr. Chas. H. Atkins, Madison, N. J.

"Horticultural Press," Mr. J. Withers, of the Florists' Exchange.

Sandwiched in between the "talkin" was "singin" by the following gentlemen: Chas. Hopkins, Thos. Hesket, J. Darby, Mr. Davies, Geo. W. Smith.

About 40 members were present and the following visitors: Patrick O'Mara, New York; Peter Duff, Geo. W. Smith, Orange; John E. Lager, Henry Hurrell, Summit; Thomas Jones, F. L. Atkins, Short Hills. Letter of regret was read from Byron T. Halsted, New Brunswick.

CINCINNATI.

Stock-Prices.

There is no perceptible change in the state of the market here. Cloudy weather still prevails, consequently roses are not up to the standard, with the supply insufficient to meet the demand. Although the weather has been unfavorable for transient trade, the retail stores have done a fair business in the line of funeral work. Paper white narcissus are somewhat scarce and find a ready sale at $4 per 100; Romans and valley going slow at $3. Carnations sell well at $1.50 to $2 for ordinary varieties, and $3 to $4 for fancies. Brides and Maids are held at $6 to $8, Meteors $8 to $10, Perles $5. Callas sell for $10; Harrisii, $12.50; violets, $1; tulips, $3 to $4. Smilax is fine, but goes slow at $12.50.

Special Meeting of Club.

A special meeting of the Florist Club will be held on Saturday, Feb. 5, for the purpose of making arrangements to attend the Chicago convention. Quite a number have signified their intention of going and the indications are that we will be well represented. Those who cannot attend this meeting and would like to accompany the Cincinnati brethren can secure any desired information from the secretary, Henry Schwarz, Price Hill.

Personal Notes.

B. P. Critchell is on the sick list. He was taken ill last Friday, and for a time was in a serious condition, but is now convalescent.

W. G. Matthews, of Dayton, O., was a caller last week. He has recently taken charge of a new store in his city and reports a good business.

E. G. Gillett came down to business last Thursday morning wearing a two-by-four smile. Upon inquiry it was learned that a little Gillett had arrived at his home.

Mr. Julius Baer will shortly wed a charming young lady of the west end. Congratulations are in order.

Mr. J. M. Gasser, of Cleveland, O., is with us this week. He is on his way south for his health, where he will spend a couple of months. B.

Among the Growers.

At Walter Grey's place on College Hill we find most of the space devoted to roses. He reports having cut a very heavy crop during the holidays. They are somewhat off-crop at present, though in excellent health. Most of the roses here are grown in solid beds, some of them having been in same bed for eight years. I noticed a batch of bouvardia, that once popular flower; Mr. Grey is working up a stock of it.

At Corbett & Wilson's pot plants are largely grown for market. Their roses and carnations are good. They have a space devoted to the new violet Princess of Wales. It is excellent and will surely be in great demand another season.

Fred Walz & Son have not fully recovered from the flood of last spring. We were interested in their carnations, Queen of the West, a good pink, and Ruby, a red. Mr. Walz considers them excellent commercial varieties. Quite a number of seedling cannas on this place give promise of being decided acquisitions. Here, too, we find a mum which flowers at Easter.

At B. P. Critchell's Sons' place in Carthage, we noticed a fine stock of young palms. They have a bench of Eucharis Amazonica that was growing and blooming when we first saw the place, not less than twelve years ago, and we do not know how much longer it has been there. We cannot understand why more florists who do a retail business do not grow this useful flower, nothing is easier of cultivation.

I found Mr. Henry Schwarz at home and busy getting some imported roses into pots. Henry does a retail business, growing plants for bedding and market, and will have some excellent stock when spring trade opens. He also has a large cemetery trade.

Anyone visiting Mr. J. A. Peterson's place is immediately struck by the excellent arrangement and condition of the houses, which are models, and the stock grown in them is second to none. Cut flowers are largely grown, but much space is devoted to decorative plants, and ferns for filling ferneries. Roses, though off-crop, are in excellent health. Carnations, as grown by Mr. Peterson, are hard to beat. Our old friend Daybreak appears in the finest form; long, stiff stems surmounted by an immense bloom of exquisite color. Bridesmaid is seen in good form and is considered one of the best. A red, which Mr. P. disseminated last season, is excellent, both as to stem and color, and bears the catchy name of The Outcast. Here again we meet that excellent violet, Princess of Wales. It is in a house with other violets which are so diseased as to be absolutely worthless and are being thrown out, while the Princess is perfectly healthy and the great number of buds and blooms is simply amazing. Its fragrance is more lasting than that of any other violet in cultivation. At Christmas it sold for double the price of the best Marie Louise and Californias.

Of course we visited Mr. Witterstaetter, to be introduced to Evelina in her home, and we find her reigning supreme, and truly it is an ideal flower with its good calyx and stiff stem. Another seedling seen here that will doubtless prove a winner is Opal. It is a light pink, similar in color to Daybreak, though a brighter, livelier shade. Mr. Witterstaetter has a number of houses of seedlings which are exceedingly interesting. An excellent scarlet seedling, brighter than Jubilee, with good calyx and stem, is very promising. Here also we find a large stock of ferns, and here again Mr. W. is fortunate, for he has a seedling pteris that is evidently a cross between tremula and serrulata. These were the only varieties on the place at the time the seedling was discovered. In general appearance it resembles tremula except at the end of each branch of the frond has an extension like serrulata. The plant, too, fills up the entire top and does not leave space between pot and frond as in tremula.

A call at A. Sunderbruch's Sons reveals the fact that they are good growers of a large variety of stock, smilax, asparagus, decorative plants, roses and carnations. In carnations we saw particularly fine Queen of the West and Ruby. Daybreak is also in good form.

N. H. G.

ALBANY, N. Y.

Balls, assemblies, weddings, etc., are keeping the craft hustling around and putting forth their best energies and most artistic efforts.

Some Pretty Decorative Effects.

Goldring Brothers last week had several large events at which Sam outdid himself. Some of the effects are worth detailing. One was Roman hyacinths and Scott carnations, with colored galax leaves, in silver baskets; another was mignonette, white roses and foliage of crotons; another, large vases of Lilium Harrisii, with Dracaena terminalis; and yet another, silver baskets filled with Bride roses and colored galax leaves. But the decorations at the Adelphi club, which is the bon-ton, and celebrates its twenty-fifth anniversary on the 26th inst., will tax his artistic efforts. The whole is to be an effect in green and red, which are the colors of the club. Evergreen curtains tied with red ribbons will hide the retiring rooms, where the sets of furniture will harmonize. The tables will be laid with mirrors running down the centers. Upon these will be arranged tiny electric lights in the colors of the tri-color, nymphaeas (and possibly nymphs) will apparently glide upon the surface, so complete will be the illusion.

H. G. Eyres has his hands full. At a splendid wedding at Troy on the 17th he astonished the Trojans with the effect of his decorative skill. Eight hundred yards of laurel, with vast quantities of southern material, were consumed. Great bunches of American Beauties, from Thomas Totten, of Saratoga, and Jubilee carnations, made a beautiful effect. A novel plan was adopted in chartering an electric express car, duly heated, for it is no joke, with the mercury dancing around the zero mark, to convey even southern palms, as, like their charming admirers, they are so susceptible to a chill. The job gave such satisfaction it was repeated almost in duplicate the following day at a grand ball.

Mr. Eyres is receiving some lovely orchids from his place at Saugerties. Cattleya Trianae alba, so chaste and rare, some exquisite sprays of Odontoglossum crispum, were made up with maidenhair fern for the coiffure of a bride; how sweet! Harry is also receiving some fine violets from the same place.

Mr. Goldring's Violets.

Speaking of these coy, deliciously fragrant flowers, Fred Goldring is a past master in the art of growing these. He feels so elated over his continued success that he is giving his experience in the columns of a contemporary—what one should do and should not do. But with a business wink he remarked to the writer that the secret will be lost as soon as the old houses take a tumble, which they do not look like doing for a while yet. Part of the secret is keeping the soil saturated and not allowing a drop of water on the foliage. I noticed the paths even were fairly reeking with moisture. The houses are low, open at gutters, unfit to grow anything else. The temperature is arranged so that cool or warm waves are felt, and would look like the lines upon a weather chart could they be described. Cleanliness, of course, is a great factor.

Growers' Notes.

I must not finish without noting the success of the white seedling carnation Katharine Goldring. 'Tis a beauty, pro-

lific and regular, strong and chaste, with Lizzie McGowan as a companion and Outcast, the robust crimson. Mr. Goldring speaks highly of Kaiserin Augusta as an all season's rose. He prefers it to the Bride.

John Dingwall was on deck with a choice lot of azaleas, which sold freely at Christmas. Had he anticipated such a rush he would have doubled the number, having a fine stock holding back for Easter. Simon Mardner is a grand forcer, the very best here. Bulbous stock is being brought in. La Reine tulips are in demand for design work. Spring stock is in good trim.

L. Menand was busy storing ice, with which he supplies the demands of his big refrigerator during the season. His stock with houses are fully up to the usual excellent standard. Mr. Memand (3d) takes a lively interest in the business. Three generations of one family, same name and similar tastes, are remarkable, even in our elevating profession. W. M.

BOSTON.

The Market.

Trade is generally good. Roses seem to be off crop and rather scarce. Bulb stuff is coming in freely and of good quality. Violets and valley took a big drop during the week, and were somewhat of a drug. Beauties range in price from $8 to $50; tea roses, $2 to $10; carnations, $1 to $2; Romans, 75c to $1.50; paper whites, $1 to $2; Von Sions, $1 to $3; tulips, $1 to $3; valley, 75c to $2; violets, 50c to $1.

Mass. Hort. Society.

At the weekly exhibition last Saturday, John Barr, gardener for Mrs. B. P. Cheney, was awarded a silver medal for 12 plants of Primula obconica grandiflora, a remarkably fine hybrid of P. obconica. Carl Blomberg, gardener for Oakes Ames, exhibited two beautiful cattleyas, for which he was awarded a certificate of merit. They were Cattleya Trianae var. Amesiana, a very rare variety, sepals and petals white, lip very delicate pink, citron-yellow throat; and Cattleya Trianae var. unicolor, very rare, a well formed flower, lavender pink, orange-colored throat, lip very finely fringed. James Comley, superintendent of the Hayes estate, showed a very fine collection of Camellias, two vases of Coelogyne cristata, a vase of Eriostema myrtifolia (very seldom seen nowadays), Lasandra macrantha (seldom grown, although a showy flower), and a tecoma from Japan, of which he does not know the name. It is a very showy flower, orange-scarlet in color. For his exhibit he was awarded a gratuity prize. Jackson Dawson, of the Arnold Arboretum, showed a dish of fine dendrobium blooms, among which were some handsome blooms of D. Ainsworthii. Norris F. Comley, of Lexington, was awarded a gratuity for turnip radishes; Arthur F. Coolidge, of Cambridge, for lettuce, radish and parsley; C. H. Hovey, South Pasadena, Cal., for Lorillard tomatoes.

A silver medal was awarded to J. E. Rothwell, Longwood, Mass., for Odontoglossum Vuylstekeana, a very rare variety, the specimen shown being said to be the only one in the United States.

A lecture on nuts and nut culture was delivered before the society by Mr. Frank M. Bartram, of Parry, N. J. He stated that in 1897 the United States imported nuts to the value of over $2,000,000, the greater part of which could be produced here. He spoke of the culture of the various nut-bearing trees and pointed out the importance of stimulating an interest in nut culture.

Various Items.

Information is wanted of a gardener named James J. Curran. Address Thos. J. Grey & Co., 32 South Market street, Boston.

James K. Paul has retired as manager for A. P. Stokes, Lenox, and has been succeeded by Wm. Elias, the farmer.

Carl Jurgens, of Newport, paid us a visit, and reports business fairly good.

Mr. C. H. Maynard, brother of Prof. Maynard, of the Massachusetts State Experimental Station, is representing the American Jadoo Company, and is at present located in this city, looking after the trade in this vicinity.

C. H. J.

CHICAGO.

Club Meeting.

At the last meeting of the Florists' Club three new members were elected. Chairman Hauswirth reported progress on behalf of the committee on carnation convention, as previously noted in these columns. The committee has selected Mr. E. Wienhoeber as treasurer, and contributors to the entertainment fund may mail checks to him at 417 Elm street.

The paper by Mr. Joseph Reeve on pot plants for market appears elsewhere in this issue. It was listened to with close attention, and brought out a very instructive discussion. Mr. G. Stollery told of the pot plants noted during his recent eastern trip, mentioning especially Dracaena Sanderiana, Asparagus Sprengerii, Crimson Rambler Rose, Bougainvillea glabra Sanderiana and heaths.

A vase of the new white carnation Evelina from Mr. R. Witterstaetter, Sedamsville, O., was much admired. It certainly is a beautiful flower, and seems to leave nothing to be desired.

The next meeting of the club (February 10) will be "retailers' night," and the retailers should be out in force. The full program will be announced next week.

Market Conditions.

There is a slight improvement in the supply, but the demand is still in excess of it and prices hold up well. The outlook for a further increase in the supply is good, and it is hoped that the demand may soon be fully met on most items.

Death of Mrs. Krick.

Josephine Krick, wife of George Krick, and well known to the florists of this city as "Mother Krick," died last Sunday, aged 67 years. Mrs. Krick was a landmark in the trade in this city. She had acquired considerable property and was supposed to be worth about $300,000.

Various Items.

Mr. G. H. Pieser, of Kennicott Bros. Co., will start next week on an extended southern trip, including New Orleans, in the interest of the "Novelty tulip."

Mr. Lloyd Vaughan, of Vaughan, McKellar & Winterson, left recentiy on an extended western trip in the interests of his house.

The wife of Leopold Ine, of Irving Park, died last week. Mr. Ine has the sincere sympathy of a host of friends in the trade.

Mr. Smith, of Smith & Fetters, Cleveland, was a recent visitor. Mr. J. M. Clark, Des Moines, Ia., is in town.

PHILADELPHIA.

Of Interest to Growers.

Philadelphia growers may be interested in comparing some of the methods employed in producing roses for the New York cut flower market, as seen at Madison, N. J., with those of the best places in the suburbs of our own city. The houses at Madison are nearly all three-quarter span to the south and from 150 to 200 feet in length, a few being longer. They have no very high, even-span houses, with ground beds, such as those of Myers & Samtman and Edwin Lonsdale, and in most cases have no front glass; the long slope of the roof being of decidedly sharp pitch and meeting the front wall very close to the bench, thus giving the roses planted on the front table scant head room. A few of the newer houses had front glass, but no front ventilation. The high position of Madison may make this ventilation unnecessary, whereas here in the hot months it is of benefit, judiciously used.

The roses in Madison are uniformly planted, with Beauties and teas in the same house; the former on the center benches, the latter on the front and back benches, and occasionally also on the lowest center bench, where the angle of the roof is so sharp as to bring this bench too near the glass; here each variety is given a house to itself. While the roses were certainly in splendid condition over there, and the growers claimed having two or more varieties together made no difference, I do not think our growers will be tempted to follow this plan, as there are times when such a system would be a disadvantage. There is this to be said in favor of the plan, that if our market

continues to place a big premium year by year on extra long stemmed Beauties, our houses for that rose will all have to be very high, or else we must let our Brides and Maids play second fiddle to the Beauties, as they do in Madison.

The system of staking differs radically. Here we tie each plant to a single wire stake, allowing air by tying each shoot separately. There, the Beauties are trained on strings, a string to each shoot; the strings being fastened to three wires running lengthwise, one above the other, the highest about four feet above the bench, while the teas had two wires only.

Mr. Tilden was, however, an exception to this plan. His Maids and Brides were given two stakes each, the idea being to tie each shoot so as to give plenty of air and light, thus diminishing the tendency to make blind wood. The condition of his stock made this plan seem well worth a trial, there being very little or no blind wood in sight, although the propagating had not then commenced. The system of stringing Beauties seems excellent for thorough syringing, but makes cultivation somewhat difficult.

Madison has not yet adopted Mr. Lonsdale's evaporating pans for destroying aphis. In fact, it would be impracticable in many cases, as hot water is largely used. Mr. Noe fills his walks with stems, which, though thorough, is open to objection, on the ground of cleanliness. Mr. Tilden places tightly tied bunches of stems on his benches between every few rows of plants, changing these bunches as they lose their strength. This method is very neat in appearance, and is said to be a sure preventive of aphis when properly done.

I went through about fifty rose houses while in Madison and was much surprised to find nearly all planted with three varieties, Beauties, Maids and Brides. A few Perles, Niphetos and Madame C. Testout were also seen, but very few.

Business Satisfactory.

Business last week was excellent, and prices firm. Roses are scarce and in brisk demand. Beauties bring from $3 to $8 per dozen; Brides and Maids, $8 to $10 per 100, a few fine ones $12, and small blooms $5 to $6; carnations, $1.50 to $2, with fancies $2.50; California violets, 40 to 75 cents; daffodils, double, $5 and $6, and coming in more freely; tulips, $4.

A visit to the stores in the early part of the week showed signs of spring hardly in keeping with the extremely cold weather since. Freesia was quite plentiful and very well grown. Daffodils and tulips were displayed here and there, while in one window was a bunch of myosotis and another of the yellow daisy; Etoile d'Or, I think, is its name.

A Pretty Floral Feature.

The vast fortune left by the late Anthony J. Drexel played an important part in the floral world last week. On Tuesday one of Mr. Drexel's sons gave a dinner and german at Horticultural Hall to over one hundred guests; on Thursday his daughter was married, and on Friday another son gave a large ball, also in Horticultural Hall. A pretty feature of the dinner was that each gentleman received, in the cloak room, a bouttoniere which matched in color and design the centerpiece of the table, to which he was to escort his partner. As there were fifteen of these tables, quite a variety of flowers were used, and served a double purpose in avoiding confusion as well as adorning the scene.

Various Items.

Roman hyacinths are very scarce at present.

Edward Reid reports shipping business excellent.

John Burton has sent out an attractive sheet describing his new white carnation, "Alba Superba," which is to be disseminated this spring.

John Westcott is to tell what flowering plants are best for Christmas at Tuesday's meeting of the Florists' Club. Much credit is due the club managers for their efforts to make the meetings instructive.

Mr. B. N. Lehman, secretary of the American Jadoo Company, spent the past two weeks in Washington and Baltimore, and found trade quite active, securing orders for Jadoo fibre and Jadoo liquid from the principal florists in those two cities. J. W. Y.

BUFFALO.

Market Resume.

Business has been fairly good, and flowers in sufficient quantity to fill all orders, except Beauties, which there has been difficulty in obtaining. Carnations are almost king. There are plenty of violets, both double and single, and those who don't grow the double pretend the singles are most in demand. "The wish is father to the thought." Florist windows are as gay now as at any time during the whole year, and more particularly do they seem so when the ground is covered with snow and the end of your nose is two degrees below zero. There is a great variety of plants now, besides cut flowers; azaleas, lilac, hyacinths, primroses, cinerarias, lilies, cattleyas, and coelogyne, besides the gay pans of tulips and other bulbous stuff. Good valley of home growth is more plentiful. We were persuaded to invest in so-called French Von Sion. Even now, when undue forcing is no longer necessary, it has proved itself a humbug and fraud. Tulips bring 75 cents to $1 per dozen, and that, with "ad valorem" added, is much better than they have been for the past few years. If this continues, we shall be persuaded that Mr. Dingley was wise in at least some respects.

New Bids Called for.

After it was all settled and the contract for the big houses at South Park awarded, the whole matter was reopened, and now new bids are wanted. We regret this, for we should like to see those stately houses go up without delay.

I did not intend to omit mentioning such an important fact as the appearance in our midst of Mr. Commissioner Harry Balsley. He takes up considerable room wherever he is. Clay was discussed, both white and red, and so were parks, politics and potatoes.

Mr. S. Skidelsky was very recently here, and, would you believe, a florist who has only for the first time in three months worn an ordinary shoe, gave him a game of St. Louis, I mean bowls. If Mr. S. S. had received 100 as a starter, he would have been just defeated by one pin, but Mr. Skidelsky is a man of brains rather than gifted with dexterity of the hand. He is going home to take lessons from Mr. J. Westcott.

Two large paper boxes arrived in town last week, one in the shape of the Corbett-like Mr. Boas of Edwards & Docker, the other the Edw. Booth features of Mr. Max Beatus, whose name is a misnomer, for we use the product of the Dayton firm, and he does not try to beat us. W. S.

ST. LOUIS.

Scarcity in Roses.

Business is picking up a trifle, but not so good as it should be at this time of year. The market was agreeably stiff the past week, in fact, there is a marked scarcity in roses. Very few are coming in and the demand seems brisker than at any time since the first of the year. Prices ran up on Brides, Meteors and Maids, and are now from $6 to $10, while Perles and Woottons are $4 and $5. The scarcity is owing to a great many of the shippers to this market being off-crop.

Carnations seem plentiful, with demand good. Some commission men claim that more carnations have been sold during the month of January than ever before. Prices range all the way from $2.50 to $4. Daybreaks and Scotts are in greatest supply. Whites are in good demand.

Violets are still a glut. Some of our home growers are complaining that the southern stock, which is sold much cheaper, is taking away a great deal of their profit, and say that the commission men should try and dispose of the home grown stock first. Prices on violets the past week were: Californias, home grown, 50 cents; southern, 25 cents; small single, home grown, 20 cents; southern, 10 cents; good double, 40 and 50 cents.

In bulb stock matters are about the same as last week. Dutch hyacinths are as yet scarce, and sell at $4. Same can be said of Von Sion. Tulips are very short stemmed and sell at $2 per 100. Romans, paper whites, valley, Harrisii, callas and freesia are about the same as last week.

C. Young & Sons decorated the big music hall in the exposition building very tastefully last Friday, the occa-

sion being the graduating of the normal class of the high school.

Executive Committee Appointed.

The chairman-manager of the next chrysanthemum show has appointed his staff to act with him as the executive committee as follows: Emil Schray, chairman of the committee on premiums and awards; William C. Young, subscriptions and special prizes; C. C. Sanders, finance; Carl Beyer, advertising; Robert F. Tesson, printing and hall, and Frank Fillmore, delivering of special prizes. The executive committee will meet on next Saturday night to work on the preliminary list and also name the men selected to act with them as a committee. The committee on smoker reports that those members who wish to attend and have not yet subscribed will please send their names to the secretary at once.

Program for Next Meeting.

The following essays will be read at the next regular meeting of the Florists' Club, February 10, at 3 p. m.; "What are the requirements of a new carnation to entitle it to a certificate of merit from the St. Louis Florists' Club?" by Robert F. Tesson. "Name one pink, one white and one red carnation as being the best commercial variety, and state why you think them the best," by John Steidle. "What variety of roses would you grow to supply the St. Louis market?" by J. F. Ammann. "What kind of fertilizer would you use for carnations, and in what form?" by H. G. Ude. "How to grow mignonette," by Andrew Meyer, Sr. "What should the growers do to assist the commission men in getting better prices for their consignments?" by Charles A. Kuehn. "What palms would you advise an amateur to grow, giving him, say, five or six varieties?" by Julius Konig, Sr. "What variety of violet would you grow in a profitable way in and out of doors?" by F. W. Ude, Jr.

Various Notes.

Visitors in town last week were Dan MacRorie, representing W. A. Manda, Orange, N. J. Dan is looking the picture of health and reports trade good. The other was Mr. Brown, of Brown & Canfield, Springfield, Ill.

Tom Carroll lost 1,000 feet of glass by last Tuesday's wind storm.

Fred Foster, who was secretary and treasurer, and also manager of the Krebs Floral Company, is no longer connected with the above firm.

The last four games of the cocked hat series were rolled Monday night, with E. Schray high man with 134; Kunz, second, with 119; Kuehn, third, with 117. Schray's single high score was 47. The champion cocked hat bowler of the series is Kunz, with 492; Kuehn, second, with 465; Beneke, third, with 454. The highest single score during the series was by C. Beyer, with 52; Kunz, second, with 48; Schray, third, with 47. Next Monday night we go back to the old game.

J. J. B.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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NEW YORK.

Around the Marts.

Violets? Take 'em by the ton!
Blizzards? We can give you one!
Summer weather? Here's a slice!
Springtime—autumn, in a trice!
It's the snowflake or the rose—
Everything in weather goes!

The above clipping from the Atlanta Constitution about fits the New York situation, that is, in regard to violets and weather—mostly weather! It has been snowing the last twenty-four hours, and the "beautiful" is piling up in great shape. It is better, though, than rain. Business is as good if not better than at any time this winter.

Stock is scarce when applied to roses and prices for the real fancy stock should satisfy the most fastidious grower, but then everybody does not grow fancy stock and all are not fastidious. After all, it is the great law of supply and demand, and until congress repeals it I suppose it will always be so.

Beauties, Bridesmaids and Meteors are still the leaders. Beauties, the finest, realize 75 cents, while extra Maids sell for $12, fancy $15, and a few extra specials at $20; Meteors and Testouts, special, $15; Brides, $10, $12, $15 for high grade and specials; Morgans and Cusins, $10 and $12 for extras and specials.

There have been a few slight changes in the regular market report, but these are chiefly confined to roses. Valley dropped another peg. Violets held their own at 40 to 75 cents, according to stock. There is a tremendous amount coming in daily and they get cleared up pretty clean, as is all classes of goods, which is saying a whole "bunch."

Mr. Walter F. Sheridan is handling some of the finest carnations—Frank Nequet's "Maud Adams," the variety that created such a sensation at the last meeting of the New York Florists' Club, C. Besold's "Frances Joost," and others, besides a regular line. Mr. Sheridan receives some excellent lilac, both varieties.

Mr. A. Herrington is shipping in some especially fine cattleyas, large, well developed flowers of exceptional color, but then what else could be expected from Florham Farms, the home of the great new chrysanthemum (if it were a poor variety I would say "mum") Frank Hardy. However, it speaks for itself, and speaks loud, too.

Our Special Correspondent's Report.

The improvement noted in last week's issue continues and a general clearing out of most stock is now possible. Roses are probably as light now as they will be again this season. They are off crop and the weather is very unfavorable. Yet the buyers seem to be able to obtain sufficient stock to satisfy their wants in the morning, for afternoon trade is light.

Bridesmaids are in constant demand and everybody wants them. The use of Brides is restricted and consequently are not so much sought after. Brunner has color and form and helps out those who might otherwise use Beauties. The latter are not good. Specials are superior in quality compared with the shorter sizes, but of these there are few. Meteor sells well; other varieties not so generally used are easily disposed of now. The best prices on roses were made the last two days of the week.

Carnations are not coming in so freely as last week. They do not advance materially in price, as supply and demand are about equal. Violets are still abundant. They are all sold, but the quality is against any higher figures. The average for the past two weeks will hardly be exceeded. The quality was never better.

Valley shows no improvement in price. Tulips have been benefited by the shortage in roses and there are plenty of them at reasonable prices. This is also true of daffodils. Shipments of Harrisii increase; demand steady. Fine cattleyas of the first grade are cheap, which means that there is no diminution of the supply. There is plenty of smilax, more than can be sold, but much of it is of poor quality.

Seed and Bulb Trade.

A trip through the stores of this important branch of our business recalled the fact that the season of '98 had really started. Orders are coming in very freely and much earlier than heretofore. The open weather has started the ball rolling and let us hope, like the small boy's snowball, it will gather impetus and increase in size as the season opens. Scarcely any branch of the trade has suffered more the past few years than the seed trade, and so, like the seeds, "the kernels of prosperity," as some wiseacre exclaimed, may the jest come true. Let us try and catch this will o' the wisp, prosperity. I am sure we all need it in our business.

The Retail Trade.

Not much change since I wrote you last. There is no special rush, and I have not heard of any more delivery wagons being put on. Trade is "fair to middlin'," as one of the prominent men of the trade remarked.

Novelties are somewhat scarce. It is a wonder to me that something striking is not invented, some new fad introduced. The dry goods houses, the jewelers and the confectioners all have their novelties. I wonder if this is the reason why the retail florist does not more than jog along. True, there are novelties introduced in decorations, and so forth, but is there no use to set the pace and make a special flower fashionable? It is remarkable what few are worn by my lady and liege. Violets used to be "la mode." Did the artificial kill them, or did they die a natural death?

Is there no Beau Brummel that can be induced to wear a cattleya? They are very handsome and would help the market wonderfully. If some of the leading florists don't suggest it, I think I'll go and see some of the "yellow journals" and get them to use some of their influence.

I notice a few novelties in the windows. Acacia pubescens is very pretty and graceful. Then I saw some plants of laurestinus, "a wee, modest flower," but exceedingly chaste; then in another I noted some boxes of tulips tied with crepe paper and ribbon to match, one especially handsome box of yellow and another of lily of the valley.

To-night as I write Governor Black is being entertained by his staff at the Waldorf-Astoria. The decorations are by J. H. Small & Sons and are exceedingly rich and simple. Only about twenty people will sit down to dinner, the table decoration consisting of one large oval basket of red and white tulips interspersed with galax leaves and two round baskets on either side of same; tricolor ribbon, red, white and blue, draped with flowing smilax, gave it a pretty finish. The grand ballroom where the reception is held is hung with the stars and stripes entwined here and there with southern smilax. In the other reception rooms tall, graceful palms stand here and there, and red and white roses in vases on tall pedestals do sentry duty.

It being a state affair, the color plan of red, white and blue was adhered to as much as possible. It was difficult, however, to secure blue flowers of an appropriate color, which shows the necessity of a blue rose on such occasions. Won't some one please oblige?

Next week is the Arion ball—but of this later.

New York Market Florists.

At the regular meeting of the New York Market Florists' Association, held at Leach's restaurant, Tuesday, the principal business was the report of the committee on constitution and by-laws to be adopted by the association. Owing to the blizzard and inclement weather, there was but a small attendance. In the absence of the president and vice-president, Mr. Chas. Deitz was elected to the chair. Mr. J. P. Cleary, chairman of the committee, then read his report on the constitution and by-laws. He reported that the committee had held two meetings, January 12 and 19. The constitution was adopted, with several amendments, and reported back to the committee, who is empowered to send copies to all members before final action is taken, and, if necessary, to employ legal aid to perfect the constitution in case the association might wish to acquire a charter at some future day. The following new members were elected: R. Dreyer, R. Whitman, P. O'Mara, A. Reis, H. Kuhl, J. W. Withers, Harry A. Bunyard.

Several members expressed a wish to take stands, which now makes a total of 23 taken. They also furnished a guarantee fund of $5 each, so that the association is now fairly started, and the committee was empowered to see the city authorities to secure a definite understanding with regard to the renting of stands.

Mr. P. O'Mara then addressed the meeting in regard to the senate bill No. 2, mentioned elsewhere in our columns, and Mr. C. H. Steinhoff and himself were empowered to go to Trenton and protest against the bills as affecting florists. On a motion, the secretary was ordered to notify the New Jersey horticultural societies and clubs of the action taken and ask them to use their influence in protesting also.

Various Notes.

Mr. Robert W. Clucas, of the firm of Clucas & Boddington, will return next Saturday on the steamship "Lucania" from "Yurrup," where he has been on an extended business trip. Welcome home, brother "Bob."

The horticultural section of the American Institute held an orchid exhibition Wednesday, February 9, commencing at 2 p. m. In the evening Mr. Chas. H. Atkins, of Madison, N. J., will deliver a lecture on "Mimicry and Fertilization of Orchids," illustrated by over 400 colored charts. These exhibitions and lectures are free to all.

Owing to the date of the New York Florist Club's dinner, February 19, conflicting with the carnation meeting in Chicago, several members having decided to visit your city, the date has been changed to Saturday, February 26.—P. S.: The price of tickets remains the same, $5.

Mr. G. A. Lodewyks, who has leased the greenhouses of Mr. A. Brown, of Blissfield, L. I., will move there at an early date, and will grow plants and cut flowers for the New York market.

WASHINGTON.

Free Distribution.

Despite the stormy evening there was a good attendance at the last semi-monthly meeting of the Commercial Florists' Association. Two new members were enrolled, who wish to take an active part in our fight against the free distribution of flowers by the National Government.

Letters were read from several clubs asking information as to the kind and quantity of plants grown in the government greenhouses, and to reply intelligently and fairly a committee of three—your correspondent being one—was appointed to visit the greenhouses and make a list of what was being grown at the present time. The committee called upon Colonel Bingham the following day and stated their wishes, and for what it was wanted, and were turned down by that official by refusing necessary permission. Among other things the colonel said that he did not propose to furnish us with ammunition to bombard him with and would have to refuse the committee permission to visit the greenhouses. It was explained to him that we were in possession of necessary information as to what was being grown, but to avoid mistakes and to be absolutely correct was the reason for wishing to go again. Having done the polite thing, the committee on being refused permission, claiming the right as American citizens to enter any public building, proceeded to the grounds, and were refused admittance to either the grounds or buildings. Finally we were admitted to the office of the Public Gardener, who explained that he had received an order from Colonel Bingham that morning to close the grounds and buildings to all visitors. The committee felt very much pleased to think the club had actually caused an order closing the buildings to the public, an evidence of headway. Whether such an order will stand remains to be seen.

It is said on pretty good authority that great activity prevails there just now, and that shovels are busy throwing out carnation and violet plants, getting the houses ready for other services. I do not give this as being strictly accurate, though my informant ought to know. I only give it for what it is worth, since I am not permitted to see for myself.

The short visit revealed an immense ice box in use, also a quantity of wire designs for funeral work. Right here I would like to ask the person, who signed himself "Washington" in a communication to The Review, and who seems to have the inside track for information, how that refrigerator was purchased. Not out of the appropriation for the "free distribution of valuable seeds!" Was the law interpreted to include refrigerators, also funeral designs, and all the necessary paraphernalia for making funeral designs, or are the designs to be used for decorating the public reservations, etc.?

Trade Looking Up.

Trade has increased 200 per cent the past week, and entertaining is at its height. All the stores report good business, and prospects for a continuance of it. Bulbous stuff is selling well

and is plentiful. Roses and carnations are scarce. Violets can be obtained at any price. I saw a letter yesterday to a retailer from a grower who offered to furnish him any quantity at his (retailer's) price.

A Pretty Decoration.

There was a pretty decoration at the German ambassador's the other evening, the occasion being the emperor's birthday. The table decoration, while stiff, was pretty. The table was carpeted with Vervaeneana azaleas, violets and pink roses at opposite corners, with royal crown in violets in center. The ballroom was festooned with asparagus and smilax and several groups of palms.

Notes.

Mr. W. R. Smith has a rival in town, who is soliciting names to a petition for his place. As yet he has not secured a single florist's signature.

Prices remain the same as before, with the exception of violets, which seem to have no value. The fakir is very much in evidence with them on the streets. W. H. K.

ROCHESTER, N. Y.

Genuine Winter Weather.

Regular winter weather prevailed during the week past, not that the temperature was extremely severe, but just low enough to preserve a good covering of snow on our streets and insure steady, good sleighing, better, in fact, than we have had for some years. Transient trade was materially increased under these favorable conditions, for flowers are worn even on sleigh ride parties, and the young or old man who takes out his best girl in a stylish rig will also provide a bunch of roses, carnations or violets for her to wear while she sits close to him in the sleigh, snugly rolled up and surrounded by furs. The demand all around was satisfactory. The season for receptions and other entertainments has now fairly begun, and if not calling for extensive and very elaborate decorations, they invariably increase the daily consumption in all lines, and no overstock can be noticed in the flower market. Prices continue the same as last week, general quality of roses is somewhat improved, but "selects" are still scarce. Von Sions came in more plentiful for the last few days, and sell readily at $4 per 100. Carnations are abundant and good, but hold their former price; violets plentiful; Harrisii, and callas scarce; all bulbous stock in good supply; none of it going to waste so far. Throughout the month of January the demand has been steady, and plainly in excess of last year. Often our florists were bothered by a deficiency in the daily supply, although not to such an extent as to seriously hurt the business in general, yet if flowers had been more plentiful, it is very likely that the total receipts for the month would have been heavier under these favorable conditions.

Western N. Y. Horticultural Society.

The Western New York Horticultural Society had their annual session here January 26 and 27. The assembly was an unusually large one; 800 or more prominent men from all parts of the Union had gathered in the spacious hall; on the second day the attendance was estimated as being over 1,000. Mr. J. Hall, the untiring secretary and treasurer of the flourishing old society, deserves credit for his successful efforts in arousing increased interest in horticulture in so many different parts of the state and the country at large, devoting much of his time and labor in correspondence and making arrangements with railways and hotels to secure special rates for the visitors. Mr. W. C. Barry, the president, was agreeably surprised when seeing so large a congregation assembled, and stated in a short speech that never before in the history of the society was an annual meeting so well attended by its members from all sections. The great majority of the members are engaged in the nursery business, or in fruit growing, and the advancement of the latter is a principal feature in their discussions, which are annually published in full by the society, every member receiving a copy of the book.

Essays.

A lengthy paper was read by Prof. W. B. Alwood, of the Virginia Experimental Station, on the "San Jose Scale." Prof. M. V. Slingerland, entomologist at Cornell University, gave a report on the insect enemies of fruit trees, and also delivered an illustrated humorous lecture on "Bugs from a Bug's Standpoint." Geo. T. Powell, of Ghent, N. Y., prepared a paper on the "Relation of Our Public Schools to Horticulture." Another interesting paper was by Dr. L. L. van Slyke, chemist at the state experimental station in Geneva, N. Y., on "Plant Food." W. T. Mann, of Barkers, N. Y., spoke on "Experiments in Fertilizing Fruit Trees." Prof. W. H. Jordan, director of the experimental station at Geneva, gave his views on "Food Values of Fruit," and I. P. Roberts, director of the Agricultural College at Ithaca, N. Y., had for his theme the "Questioning of the Soil." "Reports of Committees on Plant Diseases" came next, by W. Paddock, of Geneva Station; another on "Vegetables," by F. Frank, Irondequoit, N. Y., and a most interesting speech on "Ornamental Trees and Shrubs," by our able Mr. Jno. Dunbar, of the Rochester parks. A most instructive talk on "Old Orchards," by Mr. van Deman, from Virginia, followed; then Mr. Paddock reported on "New Diseases of Fruit Trees."

Animated discussions were indulged in after each report, in which many members gave their individual experiences and views, and all were satisfied before they went home that they had learned a great many things within the last two days.

In an adjoining room Messrs. Ellwanger & Barry had a very large collection of fine fruit on exhibition; grapes, pears and apples, each in 35 to 40 varieties, and in excellent condition. These were greatly admired by the many visitors. K.

TORONTO.

A Golden Opportunity.

Business appears to be steady now—that is, about normal. There is no undue excitement. People are dying, marrying and giving birth at about the usual rate, and occasionally give social entertainments, and the supply of flowers to celebrate the various events is fully equal to the demand made upon it.

Most people one meets are afflicted with the Klondike gold fever just now, but I have not yet heard of a florist going up from these parts, although one would imagine that an expert funeral design builder would have a good oportunity of soon making a fortune up there.

The Horticultural Society.

The Horticultural Society will listen to and discuss two essays tonight, one from Mr. E. Utley, on "Seasonable Seed Sowing," and one from Mr. G. Mills on "Cyclamen." Other important questions will also be brought up.

Various Items.

Mr. Fred Brown, manager of Mr. J. H. Dunlop's King St. store, will start in business on his own account in the West end some time in February. Nobody has any doubt but that he will make a success of it, and he has the best wishes of all.

The Gardeners' and Florists' Association is to be allowed the ineffable satisfaction of sending two delegates to the Industrial Exhibition Association this year. Everything comes to those who know how to wait. We have been waiting for this piece of justice for a long time.

Mr. J. H. Dunlop left this country about two weeks ago, and though the reports from the various large centers in the United States have been carefully scanned, no account of his movements has yet been observed. They have heard from him regularly at home, though, and he will probably return some time this week, and no doubt a lot of good things will follow in his wake.

Plenty of snow, now: 10 degrees below zero on the 30th ult. E.

NIAGARA FALLS, ONT.

A horticultural society has lately been organized here under the supervision and support of the government. The moving spirit in this has been Mr. Roderick Cameron, head gardener of the great Canadian Free Park. What was some seven years ago a wilderness has been transformed by him into a beautiful park.

Formerly we had but one greenhouse here, but now we have several. The bulk of our sales are to our American

cousins, who seem to appreciate Canadian-grown flowers, but we are pleased to note a steady increase in our home consumption. W. P. L.

FINE VIOLETS.

We have received from Messrs. Crabb & Hunter, Grand Rapids, Mich., four bunches of remarkably fine Marie Louise violets. They inquire if there are any Marie Louise around Chicago that would beat them. We must reply in the negative. We have never seen any better violets in this market.

WANT ADVERTISEMENTS.

WANTED—I would like to correspnod with parties who may have Lilium Harrisii in 4-inch pots. I want 300 for April deliv ery. Name lowest cash price on same, now, pdr 100. F. N. Haddon, 36 Tyler st., Boston, Mass.

SITUATION WANTED- By a florist and gardener, private or commercial; 15 years' experience, who can grow carnations, mums, roses, etc. also vegetables under glass. Address A. H. Clark, Lansdale, Pa.

WANTED—A first-class to take full charge of 12 Greenhouses near Chicago. One that can purchase one-third or one-half preferred. Address K.K. K., care Florists' Review.

SITUATION WANTED- As foreman with some refined party, by a practical grower of cut flowers, palms, orchids and general stock; good designer and decorator; only reliable parties need answer; best of references, California preferred. Address Orchids, care of Florists' Review.

FOR SALE—A first-class florists' refrigerator. Have changed location and it can not be used in present place; will sell cheap. Address J. J. McManmon, 6 Prescott st., Lowell, Mass.

FOR SALE—One-third, one-half or whole of fourteen thousand feet of greenhouse plant; good western town three acres ground; good trade. For further particulars address Illinois Cut Flower Co., 51 Wabash ave., Chicago.

WANTED—a first class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge. For particulars address A. H., care Florists' Review.

SITUATION WANTED- By married man, 28 years experience in England and America;private or commercial; good references. Address John Dyer, Short Hills, N. J.

SITUATION WANTED—Having managed cut flower store two years with success, I desire to change position for larger concern by April 1; Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florists' Review.

SITUATION WANTED—By a florist, as working manager, to execute a new profitable enterprise; expenses small, prompt returns, sterling worth; communications confidential. At once; east, near New York. C. H. Ober, gardener, Parsippany, N. J.

FOR SALE—3,000 square feet of glass, in the state of Indiana; must be sold at once. Address "B," Forists' Review.

WANTED—A good rose grower, a working foreman who can grow Beauties; give references. Address W. C. Florists' Review.

SITUATION WANTED—By a first class grower of cut flowers and plants; also good designer and decorator; references. G. R. B., 310 Foote ave., Jamestown, N. Y.

SITUATION WANTED—By a practical florist and rose grower; specialty on fine roses, carnations, mums, violets, etc.; good designer; age, 38, best references. Address W. G., care 164 E. Main Street, Alliance, O.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salaryor commission basis; a first class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED- By competent man, in florists' store; competent to take charge. Address Robert A. Betz, 10 Van Buren street, Chicago.

POSITION WANTED—By an English florist; 15 years experience in U. S. and Europe; references. Full particulars to "Hustler," care Florists' Review.

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Cocos Weddeliana, $7.00 per 1000 seeds.
Special quotations on large quantities.

We can now offer a limited quantity of.... **ASPARAGUS SPRENGERI DORMANT FIELD GROWN ROOTS**

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ASPARAGUS SPRENGERI SEED; new crop to arrive, per 1000.....$10.00
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CANNA AUSTRIA; strong, field grown pieces. Per 100..... 3.50
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Also Dammann's Orchid Flowered Cannas, and all the Leading Commercial Varieties.

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Telephone Call 403 18th St.

SITUATION WANTED—By first class rose, carnation and violet grower; married; reference given Address the Muncie Floral Co., Muncie, Ind.

SITUATION WANTED—As foreman, by all around man, single, American; 9 years' experience, temperate, west preferred. Roses, care Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where fine cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

SITUATION WANTED—By a good German gardener, married, small family; was working in wholesale places; private place preferred; best of references. Paul Stoever,75 Ward street, Chicago, Ill.

SITUATION WANTED—By young married man, age 27, who can grow orchids, palms and ferns. Address N. J. A., care United States Exotic Nursery, Short Hills, N. J.

SITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age, 38; married; best of references. Chicago, care Florists' Review.

WANTED, SITUATION—By a florist of 20 years' experience as maker up of designs or general greenhouse work; very best of recomendations. Joe. N. Lawrence, Ottumwa, Ia.

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Asters—Truffaut's Perfection, Victoria, Comet, Mignon, Snowball, Queen of the Market, Dwarf Queen, Dwarf Bouquet, in separate colors or mixed; trade pkt., 25c.
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Nasturtium—Dwarf mixed; lb., 50c.
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Tuberoses—**Excelsior Pearl** and **Tall Double,** extra fine stock, per 1000, $7.50.

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VERBENA KING.



The largest Verbena grower in the world.

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to offer the following season in 55 of the latest and best mammoth named vars. in cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all parts of U. S. and Canada at 60c per 100; $5.50 per 1000; 5000 for $25; 10,000 for $45; 25,000 for $100. Express prepain.

Heliotropes, rooted cuttings, 10 named varieties, $1 per 100; $8 per 1000. Express prepaid.

Cash Please.

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DO YOU WANT.....

A well recommended, sober, industrious and reliable young man as assistant? One having a good practical knowledge of greenhouse work Well up in pot plants, bedding stock and carnations. A good man for the spring rush. Wages, fifty dollars per month.

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Plants, Bulbs, Cuttings, &c., &c.



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Our Quarterly Wholesale Catalogue has been mailed to all florists. If you have not received a copy we will send one on receipt of business card.

Here is a short list of Flower Seeds of exceptional quality for present sowing:

	Trade Pkt.	Oz.
Aster, Giant White Comet.....	.40	$2.00
Aster, Queen of the Market, white	.25	1.00
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Aster, Improved Victoria, mixed.	.30	1.50
Aster, Semple's Branching, shell pink	.30	1.50
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Petunia, Dreer's Double Fringed—500 Seeds, 75c; 1,000 seeds, $1.50.		
Salvia, "Bonfire" (Clara Bedman)	.50	2.50
Salvia Splendens, fine strain.....	.30	1.25
Verbena Mammoth, scarlet.....	.40	2.00
Verbena Mammoth, white	.40	2.00
Verbena Mammoth, pink	.40	2.00
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Get a Catalogue and look it over.

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FOR SALE.

500—1000 Caladium Esculentum; every bulb sound; from medium to mammoth size, $3.00—$10 per 100; will sell the whole lot cheap for cash. Cannas, Dry Roots, Mme. Crozy, Queen Charlotte, Alphonse Bouvier, Paul Marquant, Explorateur Crampbel, Egandale, Geoffroy St. Hilaire, Admiral Avellan, $2.50 per 100. Robusta, $2.00 per 100. Burbank, Austria, Italia, Chicago, Papa Canna, Souv. Antoine Crozy, price on application. Cash with order.

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Cut Strings, 8 to 10 Feet Long, 50 cts. Each.

Shipped to any Part of the Country.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

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we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

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LOCKLAND, OHIO.

New White Chrysanthemum Frank Hardy

Facts more eloquent than words C. S. A. awards highest of the year. New York 95 points, Boston 94 points, Chicago 93 points, Philadelphia 89 points. First prize, white in strong competition at Boston and Philadelphia showa, and certificated wherever shown. The ideal commercial and exhibition bloom. **Price,** 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand. Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

GOOD STOCK!!

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (2-in.), $20 per 1000.

DRACAENA INDIVISA, 4-in., fine stock. $12 per 100.

STOCK A No. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, O.

CARTHAGE, MO.—The present address of L. E. Archias & Bro. is 113 Main st., this city. They are no longer at Fayetteville, Ark.

ROSES WANTED.

We want about 1500 each of Brides and Bridesmaid 900 each of Meteor and Am. Beauty, and 350 Perle.

Stock must be strictly first-class. Quote price on rooted cuttings and 2 1-2 inch pot plants. State when ready with full particulars. Address

Beck, care of Florists' Review, Chicago.

MIDDLETOWN, CONN. — Henry Fountain recently had many of his plants destroyed by gas leaking into his greenhouses from the city mains.

PITTSBURG.

Club Meeting.

At the annual meeting of the Pittsburg and Allegheny Florists and Gardeners' Club, January 27, officers were elected as follows: President, E. C. Reineman; vice-president, George Oesterle; treasurer, James Semple; secretary, T. P. Langhans; assistant secretary, E. C. Ludwig; executive committee, Gustav Ludwig, T. F. Beckert, P. S. Randolph.

The club deemed it advisable to reduce the annual dues from $3 to $2. The new white carnation Evelina, sent for exhibition by Mr. R. Witterstaetter, Sedamsville, O., was awarded a certificate. Flora Hill, Jubilee, Victor and Charles A. Dana, sent by Edward Reid, Philadelphia, and grown by John Harkett, same place, received the praise of all present.

Trade Conditions.

Trade has improved a little of late, wedding receptions and other social functions making a call for quantities of flowers.

Present to Allegheny Park.

The Allegheny Park conservatory has been enriched by a beautiful present, a handsome specimen of Phoenix canariensis, 20 feet tall and with a spread of 20 feet, from Mr. John Bader, of Allegheny. Mr. Bader secured the plant during his recent trip abroad.

L.

SCRANTON, PA.

G. R. Clark completed the improvements to his store in time for the holiday rush. The addition of a handsome refrigerator built in on one side gives a beautiful appearance to the whole place. Mr. Clark handles an immense bulk of outdoor stock and notes increasing tendency to beautify the grounds of the middle as well as upper classes.

W. M.

Hail Losses.

Furrow Brothers, of Guthrie, Oklahoma Territory, lost a large percentage of their glass on the night of January 24 by hail, and James Frost, of Greenville, Ohio, lost between 700 and 800 square feet of glass on January 25 from the same cause. Both were insured in the Florists' Hail Association.

WRITE AT ONCE
National Florists' Board of Trade
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Regarding Collections, Credits, Etc.
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New and Standard Varieties.
Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
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H. WEBER & SONS, Oakland, Md.

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FLORISTS SEEDS
SPRING BULBS
CUT FLOWERS.
All the leading varieties in Carnation Rooted Cuttings.
We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.
Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000 ..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000 ..... 12.50
Fine mixed Gladioli Bulbs, per 1000 ..... 7.50
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CARNATIONS.		
Ordinary Selected Stock	per 100,	$1.50—2.00
Extra	"	3.00—
ROSES.		
Beauties, long	per doz.,	6.00—
" medium	"	3.00—
" short	"	1.25—2.00
Brides	per 100,	4.00—8.00
Kaiserin	"	4.00—8.00
Maids	"	4.00—8.00
Meteor	"	4.00—7.00
Perles	"	4.00—5.00
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum, short supply	per 100,	1.00—
Common Fancy	per 1000,	1.50—
Smilax	per doz, $1.25; per 100,	10.00—
Ivy Leaves	"	.50—
Galax	per 100, 15c., per 1000,	1.25—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
MISCELLANEOUS.		
Marguerites	per 100,	.75—
Mignonette	per bunch of 25,	.50—
Callas	per doz.,	1.50—
Harrisii	"	1.50—2.00
Romans	per 100,	2.00—3.00
Paper White Narcissus	"	3.00—
Valley	"	2.00—4.00
Violets	"	.75—1.00
Tulips	"	3.00—5.00
Daffodils	"	4.00—
Freesia (extra select, stiff stem, finest in market.)		3.00—4.00

All other seasonable stock at market rates.

Special Attention Given to the Shipping Trade.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

AMARYLLIS Veitch's Hybrids, immense flowers, extra large bulbs. Price, $4 per 12; smaller bulbs, $2 per 12; $10 per 100. Amaryllis Equestre, $4 per 100. A. Formosissima, $3 per 100.

ASPARAGUS SPRENGERI only 300 plants in 5-inch pots (ready for 8-inch) remaining. Price, $5 per 12; $40 per 100.

DAHLIAS 11 prizes at the last Dahlia Show. 1st prize Dahlia (best novelty) Gilt Edge, $15 per 100. We have all the latest novelties.

GLOXINIAS Best English sorts, $3.

BULBS For Summer Blooming. Large assortment.

CALLAS Spotted leaf, $3 to $5 each; Black Callas, $4; Yellow, $30 per 100; Golden, $2 each; Purple fringed, $35 per 100.

CANNAS All the latest novelties at very low prices—200 varieties grown. Italia, $6 per 100; Austria, $3 per 100; Mrs. F. Rogers, $10 per 100; Philadelphia, $15 per 100. Send for list of noveltjes.

Japanese Morning Glory Seed. Direct importation and American grown, $3 per lb

A. BLANC & CO., Philadelphia, Pa.

FERNS

In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

CHAS. T. DARLING,
Stony Brook, L. I., N. Y.

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Two Superb Carnations

These are a continuation of our fine varieties—equal to Triumph, Jubilee, Flora Hill, for commercial purposes—You want good sized flowers, freely produced. Send for descriptions. **$10 per 100, $75 per 1,000**

PSYCHE AND PAINTED LADY

FLORA HILL Nothing in sight to touch it for commercial purposes..... **$5 per 100, $40 per 1,000**

E. G. Hill & Co., Richmond, Ind.

30,000 DAHLIAS.

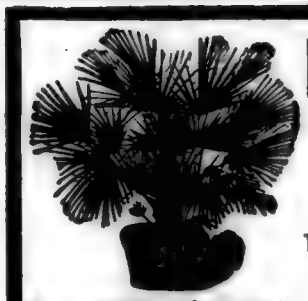


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Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

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CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 1.00; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

CHAS. L. MARSHALL,
67 Merrimac St., - - Lowell, Mass.

UTICA, N. Y.

The old saying with reference to the "early bird," etc., was exemplified when I happened at C. F. Baker's before he had taken the jackets from off the red fellows, or, in other words, had made the morning's cut of that great carnation Red Jacket, which with the blushing Oneida bids fair this season to cause commotion in the world of the Divine flower. I noted in the first place the disadvantages under which these are being grown—houses built in shape of an L and shaded considerably by surrounding dwellings. The result is all the more remarkable.

Red Jacket is a bold fellow, stands erect upon a stout stem, not a bursted calyx, which is as solid as the acorn of the oak. The plants have not been disbudded, so that the stock is limited, yet 'tis easy to propagate; but as the blooms have brought $1 per dozen right along the reason for not cutting the plants so closely is evident.

Oneida is a lovely shade of pink, that intensifies under artificial light, highly prolific, and produces a large flower. The main stems had been taken for purpose of propagating. Still from the vigorous side shoots I measured many blossoms that were over three inches across. It is a great flower, particularly for design or basket work. The stock being sent out cannot fail to give satisfaction—clean, with roots which carry solid balls of soil.

In yellows, Bouton d'Or stands pre-eminent. 'Tis a grand thing, and Mr. Baker is fortunate in possessing such excellent stock. It requires to be grown cold. His only complaint is that it is such a shy rooter.

In roses, Niphetos is indispensable for design work. Bridesmaid is the pink grown.

Some 300 pans of Coelogyne cristata, with healthy, plump bulbs, which bespeak a heavy crop of flowers, were seen; Cypripedium insigne also. I also noted a noble plant of the so seldom seen Arondoletia speciosa, a hardy greenhouse plant that produces a perpetual show in clusters of flaming orange-scarlet flowers. The wood is hard and not easy to propagate, growth somewhat slow, but makes a shapely plant and a most profuse bloomer.

Charles F. Seitzer is much pleased with the results of his experiments with Jadoo. Asparagus Sprengerii has made tremendous growth, and other stock is likewise thriving in it. His violets are the envy of his neighbors, who have lost the art and are constantly around to see what secret there is in being so successful. They are annually thus. 'Tis the finest stock I have seen this season, and now for the first time fertilizer in the shape of sheep manure liquid is being applied. A fine lot of runners have been taken off and potted up. W. M.

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Florists' Review
WHEN WRITING ADVERTISERS

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES,
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Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE
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WRITE US FOR
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WINTER & GLOVER
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
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REINBERG BROS.
500,000 FEET OF GLASS.
WHOLESALE GROWERS OF CUT FLOWERS.
We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.
Write for Prices on....
....Rose and Carnation Rooted Cuttings.
51 WABASH AVENUE, CHICAGO.

HARDY ROSES, C. H. JOOSTEN, Importer,
193 Greenwich St., NEW YORK.
Etc., For the Garden and Greenhouse.
See advertisement this paper Dec. 2, page 57.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.
MOUND CITY CUT FLOWER CO.
Wholesale Commission Florists
1322 PINE ST. ST. LOUIS, MO.
Consignments Solicited.
Special Attention paid to Shipping Orders.

C. A. KUEHN WHOLESALE FLORIST
Cut Flowers and Florists' Supplies.
Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
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Wholesale Growers of
CUT FLOWERS.
All telegraph and telephone orders given prompt attention.
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..C. W. WORS..
Wholesale Florist
2740 OLIVE STREET
ST. LOUIS, MO.....
FINE ROSES—Shipped Carefully to all Parts of the Country.



Rooted Cuttings.

We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them. Send in your orders now.

Roses.

Brides
Bridesmaids
Meteors
La France

$1.50 Per Hundred.

Do not write for other kinds for we do not grow them.

We shall have abundance of nice plants later in the season.

Asparagus Plumosus, 50c a string.

Carnations.

	Per Hundred	Per Thousand
Triumph	$3.00	$25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

Smilax, 10c a string.

BASSETT & WASHBURN,

Greenhouse and Residence,
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store . . 88 Wabash Ave., Chicago, Ill.
Long Distance 'Phone Main 223.

NEW YORK MARKET.

Week Ending January 29, 1898.

Am. Beauty, fancy, extra long stem, each	60c to 75c
Am. Beauty, extra, each	25c to 40c
Am. Beauty, No. 1, each	15c to 20c
Am. Beauty, culls and ordinary, per 100	3.00 to 5.00
Brides, 1st, per 100	4.00 to 8.00
Brides, 2d, per 100	3.00 to 4.00
Bridesmaids, 1st, per 100	5.00 to 8.00
Bridesmaids, 2d, per 100	3.00 to 4.00
Meteors, 1st, per 100	6.00 to 10.00
Meteors, 2d, per 100	2.00 to 4.00
Testouts, 1st, per 100	6.00 to 10.00
Testouts, 2d, per 100	2.00 to 4.00
Morgans, 1st, per 100	6.00 to 8.00
Morgans, 2d, per 100	2.00 to 4.00
Cusins, 1st, per 100	6.00 to 8.00
Cusins, 2d, per 100	2.00 to 4.00
Perles, per 100	2.00 to 4.00
Carnations, per 100	1.00 to 2.00
Carnations, fancy, per 100	3.00 to 6.00
Valley, per 100	1.50 to 2.00
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	8.00 to 10.00
Violets, per 100	.40 to .75
Paper white Narcissus, per 100	1.00 to 2.00
Cattleyas, per 100	25.00 to 40.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	2.00 to 5.00
Von Sions, per 100	3.00 to 4.00
Smilax, per 100	6.00 to 10.00
Asparagus, per 100	50.00
Purple Lilac	75c per bunch
White Lilac	$1 to $1.25 per bunch

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The past week has seen every wholesaler daily straining every nerve in an effort to make stock and orders meet.

Orders have been plentiful, generous in number and size, and at times out of all proportion to stocks in sight.

The main call has been for white stuff—roses, carnations, callas, Harrisii and fine stuff; everything in white, in fact, has gone even before being received.

Good maids and Beauties have been also actively sought for and perhaps have fallen below demand in greater degree than anything else, as they have no substitutes.

The stock now coming in, in most cases, is good. Perles, perhaps, are the farthest from the standard. Other varieties are improving and much really fine stock is being received daily. Doubtless much stock has been shipped lately that ordinarily would not be, but stocks must not be judged by that.

With all the scarcity, according to daily reports, prices have not advanced as far here as at other competing points.

Should the present severe siege of zero, windy weather continue, it will not take long for another advance, probably affecting bulbous stuff as well.

Violets keep coming in good supply.

Tip top freesias are to be had.

White tulips and daffodils are good and plentiful, though not at all overdone.

A good many calls for Carnot for special occasions—with none to be had. Don't this rose bloom in midwinter?

A good many orders placed, well distributed, for next week. Business should be good.

OMAHA.

Business Quiet.

Business is somewhat quiet, with stock good and plentiful and therefore prices down. Dutch hyacinths are coming in and sell well.

A Show Next Fall.

The Nebraska Florists' Society held its monthly meeting on January 13, at which it was decided to hold a chrysanthemum show this year, that of last year being such a success. The florists pledged themselves to do still better in the way of growing new and rare varieties. The society now has a bowling team and have met with gratifying success for beginners; some travel sixty miles each week so as not to miss the fun. A shooting team is now being organized. J. J. H.

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IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.
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Wholesale Florist
1612-14-16 Ludlow St.
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Original Headquarters for CARNATIONS.

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PROMPT ATTENTION TO SHIPPING ORDERS.
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WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

GERANIUMS THAT WILL PLEASE YOU.
S. A. Nutt, Beaute Poitevine, La Favorite, Heteranthe, 2¼-in. Pots, per 1000, $25.00.
Cash with order please.
H. R. CARLTON, Willoughby, O.

GALAX LEAVES AND LEUCOTHOE SPRAYS---GREEN AND BRONZE.
Of all wholesale florists—or write the introducer for free samples and information.
HARLAN P. KELSEY,
1150 Tremont Building, - BOSTON, MASS.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivalling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

MAMMOTH

Verbena Seed.

Verbena Mammoth Seed in 100 colors up-to-date, $1.00.
Coleus, 2 1-2 in. pots, 10 best varieties $1 per 100.
Send for price list of Carnations, Geraniums, Feverfews, Salvias, Coleus, Cannas and Gynra or Velvet Plant.

The Morris Floral Co.,
MORRIS, ILL.

PALM SEED

A List of All Varieties upon Application.
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ROSE HILL NURSERIES,

JUST ARRIVED!

COCOS WEDDELIANA,

$7.50 per 1,000; 5,000 lots, $36.00.
SIEBRECHT & SON, New Rochelle, New York.
New York Office, 409 Fifth Avenue.

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FLOWER POTS..

In any quantity, and of the best quality.
Get my price list before ordering elsewhere.

W. H. ERNEST,
Station M, N. E. WASHINGTON, D. C.

5,000 Smilax From flats, by mail, 50c per 100, $1 per 1,000; from 2-inch pots, $1.50 per 100, $13 per 1,000; from 3-inch pots, $3 per 100. Send for samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.

Vaughan, McKellar & Winterson, Chicago, acknowledge no superiors in the packing of cut flowers for shipment.

DREER'S SUPERB

..DOUBLE FRINGED PETUNIAS..



FOR thirty-five years we have made a **specialty** of the **PETUNIA.** This year we again offer a set of fifteen varieties, unsurpassed either in this country or abroad. The plants are well established in three inch pots, full of vigor, and will furnish quantities of cuttings in a short time.

These plants must not be compared in price with rooted cuttings or plants just potted off. The set is composed of the finest colors, especially suited for the retail trade. $1.00 per doz., $8.00 per 100. The set of fifteen varieties for $1.25.

Double Fringed Petunia Seed, our own saving, 75c. per 500 seeds; $1.50 per 1000 seeds.

HENRY A. DREER, PHILADELPHIA, PA.

HEADQUARTERS FOR

Vick's Branching Aster Sweet Peas
New Daybreak Aster Dahlias Begonias
Gloxinias Flower and Vegetable Seeds

VICK'S GARDEN and FLORAL GUIDE for 1898

the pioneer Seed Catalogue of America, is a perfect beauty, the best one we have issued in the forty-nine years of our business. We can honestly say that **It leads them all.** Those interested in the trade would do well to send for a copy of both wholesale and retail at once.

JAMES VICKS SONS, ROCHESTER, N. Y.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. **$2.00 per dozen; $10.00 per 100; $75.00 per 1000.**

NEW CANNAS, Prest. McKinley and Defender, - - - - **60c. each; $5.00 doz.; $40.00 per 100.**
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - - **35c. each; $3.50 doz.; $25.00 per 100.**
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - **$12.50 to $20.00 per 1000.**
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

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Azaleas — **Spiræa Japonica Compacta**
Lilium Speciosum — **Rhododendrons**
Bleeding Heart — **Pæonies in Var.**
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H. P. Roses in the best sorts — **Clematis, Etc.**

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APPLE GRAFTS Of Apple, Cherry, Pear and Plum

Low Prices. Send list of wants to
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Specimens for Pots and Winter Decorations.
Send for Descriptive Catalogue and Trade List

SAMUEL C. MOON,
MORRISVILLE, - BUCKS CO., - PA.

CATALOGUES RECEIVED.

Henry W. Gibbons, New York, tempering apparatus; Aug. Rolker & Sons, New York, trade list of select flower seeds, bulbs, plants, insecticides, etc.; Benj. Hammond, Fishkill, N. Y., slug shot; W. W. Barnard & Co., Chicago, seeds, florists' sundries; J. H. H. Boyd, Cagle, Tenn., tree seeds; Geo. H. Mellen, Springfield, O., seeds, plants and bulbs; Frank Banning, Kinsman, O., Kinsman Queen muskmelon; E. C. Newbury, Mitchell, S. D., cut flowers, decorative plants, etc.; L. T. Seaver, N. Somerville, Mass., new double ruffle pansy; Walker Fertilizer Co., Clifton Springs, N. Y., Excelsior brand fertilizer; Weeber & Don, New York, seeds, bulbs, tools and requisites; R. & J. Farquhar Co., seeds, plants, bulbs, etc.; Morrisville Nurseries, Morrisville, Pa., ornamental trees, plants, shrubs and vines, fruit trees, etc.; Royal Palm Nurseries (Reasoner Bros.), Oneco, Fla., tropical and semi-tropical fruit trees, also nursery stock; McCrea & Cole, Battle Creek, Mich., wholesale price list of perennial plants, roses, bulbs, palms, ferns, etc.; Irvington Nursery, Irvington, Ind., nursery stock; A. & G. Rosbach, Pemberton, N. J., plants and rooted cuttings; Chas. E. Prouty, St. Louis, Mo., farm seeds; Langhans & Co., Allegheny, Pa., handsome floral calendar; Samuel Feast & Sons, Baltimore, Md., very pretty calendar; Texas Seed and Floral Co., Dallas, Tex., seeds and plants especially adapted to the south; Banning & Hagenburger, nursery stock, hardy perennial plants, hanging baskets, etc.; Mrs. Maud M. Briggs, El Paso, Tex., cacti.

CARNATION SANDUSKY.

We have received from Messrs. E. Hall & Son, Clyde, O., a box of blooms of this new carnation. It should certainly find a place among the fancy sorts. It has a white ground heavily striped with carmine, the flower of good size, with perfect calyx and borne on good stem.

...BAKER'S...

NEW CARNATIONS

Grown and Tested Five Years.

ONEIDA pure pink, no trace of purple, rust proof, perfectly healthy, good grower, continuous producer, blooms of largest size.

RED JACKET bright red, of largest size, healthy, no rust, continuous producer, long stiff stems, never bursting calyx.

$10.00 Per Hundred.

Orders booked now to be shipped in rotation as fast as rooted.

CHAS. F. BAKER, Utica, N. Y.

SIMMONS'

New Light Colored CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

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FIREFLY!

A Rust-Proof Carnation for Business.

Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.

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SMILAX FINE STRINGS 12 1-2 CENTS

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The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

ROOTED CUTTINGS.

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100. $12.50 per 1000. Cuttings. Fine rose plants from 2½-inch pots ready February 15th.

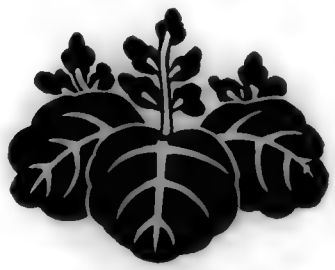
CARNATIONS.

William Scott, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor	$1.00 per 100. $7.50 per 1000.
Emma Wocher, Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea, Jubilee	$3.00 per 100. $25.00 per 1000.

No order for less than 100 of one variety accepted.

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We import all kinds of Japanese Bulbs Plants and Seed, and have our own Nurseries and Farms in Japan. We expect large shipments of Lilium Auratum, L. spec. album, rubrum, Melpomene, Cycas stems and Maples. Prices on application.

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WHOLESALE FLORISTS
SPECIALTIES: ADRIAN, MICH.
Chrysanthemums, Carnations and Violets.

Correspondence solicited.

Carnations

New Carnations---------

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

YOU CAN HAVE PLANTS RIGHT AWAY OF THE
NEW PINK... ...CARNATION **Mrs. Frances Joost**
Price, $2 per doz.; $10 per 100; $75 per 1000. Cash with Order.
C. BESOLD, MINEOLA, LONG ISLAND, N. Y.

Coleus ROOTED CUTTINGS

VERSCHAFFELTII and GOLDEN BEDDER. The finest and cleanest stock in the U. S. Write for prices and Price List No. 1.

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J. C. LARK, Superintendent. WM. L. SWAN, Proprietor

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Address W. J. VESEY, Sec'y, Fort Wayne, Ind.

BEGONIAS.

	Per 100
Ricinifolia, 2½ inch	$3.00
Alba Picta, 2½ inch	2.00
M. de Lesseps, 4 inch	8.00
Argentea Guttata, 4 inch	5.00
Argentea Guttata, 2½ inch	2.00
Rex (in variety), 3 and 4 inch	6.00
Standard Varieties, 2½ inch	2.00

Stock sure to please. Cash with order.
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REED & KELLER,
122 W. 25th St., NEW YORK CITY.
Manufacturers of and Dealers in WIRE & DESIGNS
FLORISTS' & SUPPLIES

Live Sphagnum Moss For Orchids, etc., $1.25 per bbl.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

HOLYOKE, MASS.

Mr. E. Howland grows quite a number of Wootoon and Sunsets, which are found profitable, and well grown Perle, Brides and Bridesmaids are grown in less quantity, also Beauty. Luxonne is the best single violet. A capital batch of cinerarias and primulus vanished like smoke at Christmas. Spring stock is promising. Carnations were in heavy crop during December, just when needed most. His foreman, Harry Sinclair, at the request of the Horticultural Society, read his maiden paper on chrysanthemums, on which subject he is an enthusiast. It was so well received that he has the pleasure of reading another at the meeting of the Hampden County Horticultural Society, Springfield, February 4. That's right. Let the latent talent shine. It will help the good cause along.

E. D. Shaw, while reporting a good holiday trade, considers business not what it should be at this time. Hosts of others echo this, and report December and October as both being exceptionally dull months. Christmas compensates for a deal, but business has been very spasmodic during the past year, and the published reports so carefully prepared by a contemporary should be read with interest by those who are of the opinion things are not or have not been what they consider they should be.

H. W. Field, of Northampton, is doing a good college trade. This is an annually increasing and more critical. None but the best stock will sell. Evidently Mr. Canning is doing excellent work among the students in educating their tastes for that which is lovely in Queen Flora, and what is there associated with her that is not? W. M.

AZALEA INDICA.

Fine, well-budded plants, all the best varieties, and will make fine plants for Easter Blooming.
10 to 12 inch Crowns, $3 50 per dozen.
13 " 15 " " 5.50 "
Cinerarias, 5-in. bud and bloom, $1.25 per dozen.
Double Golden Dwarf Marguerite Cuttings, by mail, $1.50 per 100.

WHITTON & SONS,
Wholesale Florists, City and Green Sts., Utica, N. Y.

Too Pretty to Sell!

GERANIUM
..MARS..
2-inch pots, $1.00 per doz.
Cash with order.
HENRY EICHHOLZ,
Waynesboro, Pa.

ALTERNANTHERAS, Red and yellow stock plants, 4c.
PRIMROSES, Red and white, fresh stock, 2-inch, 3c.
McCREA & COLE, Battle Creek, Mich.

Kennicott Bros. Co. is the oldest and most reliable wholesale commission cut flower establishment in Chicago.

M. RICE & CO.
...IMPORTERS AND MANUFACTURERS OF...
Florists' Supplies
CYCAS LEAVES, IMMORTELLES,
WHEAT SHEAVES, our specialty. BASKETS OF ALL KINDS,
"VIOLET HAMPERS" entirely new.
Prices on Application.... 25 N. 4th St., Philadelphia, Pa.

SPECIAL OFFER

	OZ.	LB.
Sweet Pea Cupid	$0.25	$1.25
All choice other Sorts.		.50

Delivery included.

JAPAN IMPERIAL MORNING GLORY SEED.

Choice single	$0.25	$2.00
Choice semi-double and single	.50	3.00

Extra rare semi-doub e and double 100 seeds.50c.
Asters, Cosmos, Mignonette, S ocks, Verbena, etc

PALM SEEDS.

	100	1000
Kentia Forst and Belm	$0.75	$6.00
Cocos Wedelliana	.90	7.00
Musa Ensete	1.00	8.50
Asp. Plumosus Nanus	1.20	10.00
Pandanus utilis	1.50	12.00

Net. Delivery included.
All sorts Phoenix and Brahea Seeds fresh.

BULBS

	100	1000
Excelsior Pearl Tube Roses. Best in market.	$1.00	$1000
Delivery included.	100	7.50
Aurats, 9x11	$4.00	$35.00
Rubrum, 8x9	3.50	30.00
Rubrum, 9x11	5.00	45.00
Album, 8x9	5.00	45.00
Album, 9x11	6.00	50.00
Longiflorum, 5x7	2.00	15.00

Lily of Valley Berlin 1000, $10.00 or case 2,500, $23.00. Time to look out for

CYCAS REVOLUTA

for Spring delivery. We have supplied these to growers for fifteen years. Write for prices.
PALM LEAVES and other material for decorations. Send for Price Lists.
(ESTABLISHED 1878.)

H. H. BERGER & CO.,
220 Broadway, N. Y.

The WM. H. MOON CO.
Morrisville, Bucks Co., Pa.

Offer for Spring 1898, an immense stock of
DECIDUOUS TREES, EVERGREENS,
FLOWERING SHRUBS and VINES
In great variety, of all sizes. We note especially

12,000 **Dahlias,** whole roots.
10,000 **Ampelopsis Veitchii.**
10,000 **Clematis Paniculata.**
20,000 **Wichuriana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama,** new climber.
5,000 **English Ivy,** long tops.
25,000 **Honeysuckles, Matrimony Vines, Wistarias,** etc.
100,000 **California Privet,** 1 and 2 years.

Trade List on application. Correspondence solicited.

SEEDS LAWN GRASS $12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS.
North-East Corner Second & Walnut Sts., Cincinnati, O.
SEND FOR ILLUSTRATED CATALOGUES.

Mention the Florists' Review when writing advertisers.

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Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias, Heliotrope, Ageratum Dwarf, Salvia Splendeus and Odorata, Feverfew, Verbena, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves. Station X. Chicago.

Geraniums. October Struck

2½ in. in best named varieties; in flats in best named varieties; rooted cuttings of Geraniums, Heliotrope, Salvia, Petunia, Coleus, etc., grown only on contract. Write for prices.

GEO. W. GASKILL,
212 North Tod Avenue, - Warren, Ohio.

If it's to be had in Chicago you can get it from Vaughan, McKellar & Winterson.



TRY US! TRY US! TRY US!

Florists' Supplies. Send to us—our line is complete.
Wire Work—None made as good at our prices.

Do you want fine cut flowers

For your trade? Try us

Our Violets especially are those that won prizes and win customers.
Palms and Ferns—We grow them and guarantee safe arrival by Express.

ELLIS & POLLWORTH, Milwaukee, Wis.

EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send for Illustrated and Descriptive Price List of Evelina and Other Novelties.

R. WITTERSTAETTER, Sedamsville, O.

Experiences with Carnations

READY NOW

Send me your address on a postal and receive them regularly during the season.....

ALBERT M. HERR,
LANCASTER, PA.

Anybody .....can grow **Genesee Carnation**

NEW COMMERCIAL WHITE.

ORIGINATORS:
HARMON & BURR, Darien, N. Y.

For prices, circulars, etc., address

DAN'L B. LONG, Sales Agent, BUFFALO.

NEW GARNATION, **"EMPRESS"**

The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

WM. SWAYNE,
Box 226. Kennett Square, Pa.

No more orders taken in quantity

... FOR ...

"Elizabeth Skinner" Carnation

But in order to give every florist in the United States a chance to test its merits will send twelve finely rooted cuttings for **$1.00.**

GEORGE SMITH,
Manchester, Vermont.

LAGER & HURRELL

Growers and Importers of



ORCHIDS

Correspondence Solicited

SUMMIT, - - N. J.

FERNS

Strong 2-inch pot plants, suitable for Ferneries, ready to shift. **Onychium Japonicum** and **Pteris Cretica Cristata** in variety. First-class stock, $4.00 per 100.

J. A. PETERSON,
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BUFFALO, N. Y.

A Visit to the Botanic Garden.

"There's many a slip 'twixt the cup and the lip," and the fortunate (?) bidder for the new range of glass is not yet assured, as the bids have been thrown out and re-advertised for, to be in by February 10. Prof. Cowell is a disappointed man, and the safe receipt of a case of Catteya labiata over which that worthy was poring upon my arrival will not assuage his chagrin. Some appreciative friend down in British Guiana was the sender. Mr. Cowell has already a large number of orchids. Among those in flower are Cattleya labiata alba, Percivalliana, Oncidium bicallosum and Cavendishianum. Oncidium ungriculatum has been constantly flowering since August. The flower is orange and brown, richly marked, borne on a large spike, blooms all winter. Laelia albida was seen in quantity. The fragrance of this variety is very sweet.

The display of cyclamens is a gorgeous one. Some specimens have carried 100 open blossoms by actual count at one time. As there are thirteen sources of supply represented, and almost all equal, but little preference can be given to any one source. I noted a fine batch of Primula obconica grandiflora, many blooms measuring 1½ inches across, which would be considered good in a Chinese primrose not so long ago. I might mention right here that William Scott has a strain unsurpassed. Some specimens now in bloom are a grand sight.

Mr. Cowell has quite a batch of rhododendrons and Azalea mollis, seedlings just showing up. He has a pretty lot of Marie Louise violets in pots just crowded with bloom, doing even better than when usually planted out.

Fine Stock at Cortu and Lancaster.

In last week's Review mention was made of visits to Corfu and Lancaster, the out-of-town houses of Messrs. Scott and Palmer, and the splendid stocks each was producing. I can indorse that report. In fact, this season is witnessing some of the finest stock yet produced and shipped into the Bison city, not omitting the grand roses being shipped right along to W. F. Kasting by George Fancourt, of Wilkesbarre, Pa.

Mr. E. Salyer now With I. G. Marvin.

Writing of Wilkesbarre reminds me that Edward Salyer, formerly with Messrs. Smith & Son, of Adrian, and recently with Grove P. Rawson, at Elmira, N. Y., is now with I. G. Marvin, so we may look for as great results as were accomplished by Mr. Salyer when with the preceding gentlemen. W. M.

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For prices see page 413, Jan. 27th.

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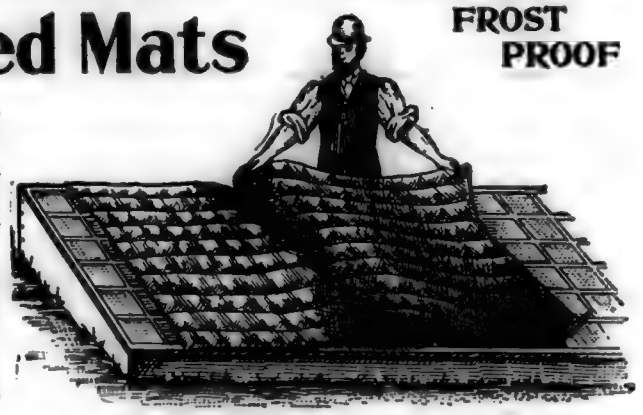
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THE WEEKLY

FLORISTS' REVIEW

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A CORNER IN THE PERENNIAL BORDER AT LINCOLN PARK, CHICAGO, WITH HELENIUM AUTUMNALE IN BLOOM.

THE PERENNIAL BORDER AT LINCOLN PARK, CHICAGO.

Helenium Autumnale.

The helenium is one of the most useful of the middle-sized yellow flowered perennials, as it fills the place between the phloxes and asters below and the taller sunflowers above. Its profuse wealth of golden bloom lights up the harvest borders with a solid mass of color no other plant can equal. The middle group in the engraving shows its brightness after being in bloom nearly a month.

In size it may vary from eighteen inches, as usually seen in native slough edges, to five feet or even more, as it grew this year in the perennial border in Lincoln park.

The helenium has the further advantage of keeping within bounds; its groups do not spread unduly as do too many of its composite neighbors, while its offsetting habit makes it quite easy to divide and transplant.

The group of flowers at the left in the picture are the decapetalus sunflower, a peculiarly bright sulphur yellow. It does not usually grow so tall as this but is always effective.

The dark group in front at the right it Perilla nankinensis, an old-time favorite, which always blends well with any kind of foliage. It is one of the most thrifty plants in cultivation, a desirable contrast to its pampered relative, the coleus. J. H.

LYCHNIS SEMPERFLORENS PLENISSIMA.

In my last notes I recommended the old well known pinks to the florists catering to a home trade in the smaller towns. Today, with your permission, I will say a few words about a comparatively new, but equally hardy plant, which has not yet been tried in many places, for forcing under glass and which can safely be recommended for growing largely, not only for a local trade, but also everywhere else. My humble opinion is that great quantities could be disposed of if its many good qualities were better known. Lychnis semperflorens plenissima is not a coarse leafed plant like L. flos-cuculi or L. vespertina, nor does it grow very tall. The foliage is lanceolate, narrow and bright green in color. Branching flower stems, 15 to 24 inches high, are springing up among the leaves constantly in uninterrupted succession if the plants are kept in growing condition, which is not at all difficult to manage. The temperature of a carnation house or even a violet house will suit them admirably and we know of no disease whatever which attacks either foliage, roots or flower spikes; the plants have always been clean and healthy with us.

When we first came into possession of the plant, several years ago, we had no proof of its hardiness and therefore on the approach of cold weather we potted about a dozen of them for stock to propagate from, should our winters prove too severe for those left outdoors unprotected. We found room for the potted plants in a corner of the carnation house, where they started into vigorous growth in less than a month's time and began to send out young flower stems. Seeing their desire to bloom, we allowed them a little more space, repotting them at the same time into 5-inch pots and had no reason to regret this little extra care. They rewarded us with an occasional bunch of very serviceable and neat flowers, which could readily be disposed of to any customer in search of loose, delicate sprays for vases, etc. Another repotting was necessary before spring. The plants kept on producing new growths and new flower stems as well, and by these gratifying results we were induced to try them the following season in a bench, where they have done admirably well under the same conditions and treatment with the carnations.

Since these preliminary trials we have also grown the plants over summer in 3 or 3½-inch pots, planting them in the bench in fall; with this treatment we are enabled to cut some flowers as early as September, but the same stock, when grown in the field until fall, would have perfected many more crowns, ready to produce a greater quantity of flower spikes during the season than we could expect from the little potted plants; yet the latter can be planted closer in the bench and perhaps in the end we get about as many sprays from these as on the stronger clumps on a given space. The soft pink color of this lychnis and the way it produces its many finely shaped flowers in long, light, airy and graceful sprays cannot fail to give universal satisfaction in all fine floral work. Its keeping qualities also are excellent and we may have it the whole year around, for it blooms as freely in the open ground all the summer and fall months as it does in winter under glass. In an ordinary light garden soil, moderately enriched and well drained, it would never be without flowers if frost did not stop growth late in the autumn.

A stock is readily worked up from a few plants by dividing in early spring, every growth with a few rootlets attached will then grow quickly into strong tufts, producing hundreds of flower stems that same season if allowed to remain. But where plants are wanted for forcing in winter, we have always followed the old practice of keeping the stems pinched out until the plants were housed. When you have no stock out doors, cuttings from those grown on a bench or in pots may be taken at any time and are sure to root; if well taken care of, they will make blooming plants in less than three months. From the above notes it may plainly be seen that Lychnis semperflorens plenissima is one of the few good things which can be relied on to furnish us with a supply of elegant cut flowers at all seasons.

With ordinary care the patch in the garden will continue in full bloom until the approach of cold weather, while from October to May we have an abundance of them under glass, providing we have benched or potted suitable stock early in September. The cultivation of this deserving plant under glass presents no difficulty at any season. In a light and airy house near the glass it does better than in a house where the atmosphere is kept closer or where more moisture and heat are required for the other occupants of the benches. Like the carnations, they dislike overhead watering, especially in prolonged dull weather, but the results in their case are not so disastrous to their welfare, the plants soon recovering their vigor when normal conditions are restored in their surroundings. K.

APONOGETON DISTACHYON.

A few flowers of this beautiful plant occasionally appear as a novelty in the windows of some of the best flower stores. It is certainly a novelty, too, in the cut flower market, though far otherwise as a cultivated plant, having been in cultivation for more than 100 years. It was introduced to Europe from the Cape of Good Hope in the latter part of the last century and has become so completely naturalized upon some lakes and streams as to appear like a native so great is its luxuriance.

Doubtless much might be done with it in American waters in southern latitudes, but the present object of this note is to advise those who have the facilities to give it a little attention under glass for winter flowering, and small indeed are its cultural needs. Grown under glass it would be an everblooming plant as in outside waters it flowers persistently till forced to a reluctant rest by the freezing of the water.

I have gathered flowers of it in midwinter when that season has been unusually mild, so that no forcing conditions are necessary under glass to ensure flowers in abundance during winter months. Tanks, tubs, or any receptacle of sufficient size and convenience could be utilized for its cultivation, placing in the bottom of them about a foot of compost consisting of loam and well rotted cow manure in proportions of about 3 to 1. The temperatures at which rose and carnation houses are kept will suit admirably and like these the aponogeton will enjoy all the sun it can get. As far as my observation goes of the plant under natural conditions it always appeared to thrive best and flower most abundantly along the margins of running water or in lakes through which there was a constant flow. This would indicate that it likes a change of water more or less frequently, conditions that can be met under cultivation by turning the hose into its tank or tub occasionally. The plant has a fleshy tuberous root, broad and flat at its apex, narrowing to almost a point



Aponogeton Distachyon.

at its base and from the crown of this tuber it sends out long roots in the soil surrounding, whilst the leaves and flower stalks find their way to the surface, each stalk terminated by an oblong leaf that floats on the water.

The flowers are borne on a forked spike (hence the name distachyon, meaning two spiked), are small and inconspicuous in themselves, but they are disposed in clusters in the axils of large showy white bracts. These bracts give the spike its color attractiveness, but the flowers have also a welcome charm in that they possess a delightful fragrance so sweet as to have earned for the plant the name "Water Hawthorn." The Cape Pond weed is another popular name for it and it matters not which is used, either being greatly preferable to its botanical cognomen, and should be used by those who would popularize the plant and sell its flowers.

When once the plant is strongly established it spreads freely by root increase and also reproduces itself from its own self-sown seed. Dry roots are also obtainable at times, these being imported from the Cape. The beginner with dry roots, however, must exercise caution in starting his plants, otherwise he may lose the lot. When the dormant tubers are potted up they are dry and more or less shrivelled. If then introduced to aquatic conditions there is a risk of the root tissues swelling too rapidly and rotting in consequence. It is better for a start to treat them as ordinary plants, planting the tuber, with its crown just covered in a pot of soil. It will then absorb moisture gradually, swell normally and when top growth is visible and well under way the plants may be immersed with safety. When new plantations are being established with divisions from growing plants no such precautions are necessary; these can be planted direct into other tubs or tanks. A. HERRINGTON.

FUMIGATION.

The method of fumigation described by Mr. D. K. Herr in the first issue of The Review (page 13) has been tested in the Station greenhouses with good success. When the order was given for the pans the description was not at hand, and as constructed they are much larger than Mr. Herr's, but work well. Not having cigar waste at hand, pulverized leaf tobacco was used. The smoke obtained by this method is not dense, but is penetrating. It is the long-continued application that makes it effective. The tobacco burned for six hours in a house containing a varied collection of plants, and none were injured. FREDERIC CRANEFIELD.

Wis. Exp. Sta., Madison, Wis.

THE GUELDER ROSE FOR FORCING

The growing desire for more of novelty and variety wherewith to tempt the public leads one to survey a wider field for available material, and in doing so, the Guelder rose or snowball tree (Viburnum opulus sterilis) comes within the range of vision as something that would probably take if offered. That it is amenable to forcing has long been proved and I have seen large bushes that were forced for years and proved acceptable adornments for the conservatory in the early months of the year. It is a flower, too, that can be effectively used in a cut state for decorations. In this connection I recall some large bushes that grew in the shrubbery at home and how useful they were to cut from for church decoration at whitsuntide. Whole branches, borne down with their weight of snowballs, were lopped off and used most effectively.

In order to make a success of it for forcing one would need to have selected or specially prepared plants that were well grown, possessing from six to ten good strong shoots of the previous season's growth and from two feet to three feet in length. These could be forced in pots of from eight inches to twelve inches diameter. Upon such shoots there should be no difficulty in securing six to eight fine clusters arranged in pairs and cut as they could be with two feet of stem, they would look admirable when set up in a suitable vase. As a pot plant for the Easter trade it would certainly find favor and is a fit subject for extensive use in large decorations. Even more beautiful for pot culture, is its Japanese relative, Viburnum plicatum.

Plants of both these viburnums can be obtained cheaply in any good nursery where trees and shrubs are grown, but it is too late to think of purchasing now for present forcing. To secure good forcing stock, however, I would advise those who have a spare plot of ground at home to grow their own.

Purchase the plants in the coming spring and upon receiving them prune close, and plant them out in a piece of rich, well cultivated ground. Mulch them in summer to protect them from drought and if the stock has been well selected and well handled there should be some good forcing material ready for lifting and potting before hard freezing sets in. Any plants not strong enough can remain for another season. If a demand sprung up, however, a supply would doubtless soon be forthcoming and it would be just as easy to purchase vi-

burnums for forcing as it is lilacs. I am advocating an experiment, however, and every one waits for some other fellow to demonstrate the possibilities.

A. HERRINGTON.

Madison, N. J.



CARNATION NOTES.

New Varieties of 1897.

Before I enter into any discussion of the new varieties introduced the past season, I will say a few words in continuation of my last notes on types, and will conclude with the different build and forms of blooms of varieties now in cultivation.

Build and form of blooms differ as much as habit of the plant. Different tastes have different ideals, and to pronounce any one form as the ideal one would seem rather overbearing. From a commercial standpoint, all forms are desirable so long as they find purchasers. Again, desirability depends upon adaptability. If one is asked to pick out his ideal from among a handful of flowers of different form, the choice would probably fall upon the most symmetrically built and best rounded form, like a camellia or daisy for instance. As a buttonhole bouquet these have the preference, but in masses, as in a basket or large bouquet, these symmetrical daisy-like blooms appear stiff and monotonous and it is a relief when the eyes can rest on a bunch of irregularly built blooms.

We find varieties with round, smooth or more or less fringed petals; the same arranged symmetrically or rather irregularly; also, flat, where the petals are spread out horizontally, or rounded where the center petals stand erect; again, where the center petals appear in an irregular arched form; and where all petals have a tendency to incurve. This latter form is objectionable as it reminds one too much of the flower in the last stages, going to sleep. And, then again, we find blooms where the petals in all forms and positions appear wavy and crimped.

We have at this time a very interesting sight in our seedling house, regarding habit of growth and form, and color of blooms. There are 160 selected varieties of 1896 on trial blooming the second season, from 5 to 15 plants of each, and 500 seedling plants of 1897 selected from 2,000 out of the field. It furnishes a very interesting and fascinating study to see the many different habits, forms and colors side by side.

It is not my intention to enter into a criticism of the new varieties introduced last year; neither would I be justified in doing this, for in the first place one must have a wider range of observation than I have, their cultivation on our place being in rather limited numbers, and during their field culture having been retarded in their growth by a severe period of dry weather. The severe drouth left the plants small, and this affects two very important points, namely, their ability as free bloomers in the early part of the season and their respective strength. Therefore I must necessarily confine myself to the observations as they came under my notice on our place, well convinced that success or failure of a variety as experienced at one place cannot be conclusive for all sections.

Flora Hill: This variety stands foremost among the whites introduced the past season, and is without doubt a decided improvement on the older varieties. The summer growth has been clean and strong, showing a very pleasing habit, slightly spreading, thus not appearing compact. The foliage, medium between the grassy and broad-leaved form, is of that much desired bluish color, and of a texture capable of much resistance to disease, especially rust. Our plants when received were entirely free from this disease, and have remained so up to this date. I do believe that under certain circumstances, with which we are not as yet familiar, no variety is rust proof, and this variety is but a confirmation of this assertion, as from a few localities we hear that rust has made its appearance, while the general report proves it free from this disease.

Bacteriosis seems to have more power over this variety, for I could find traces of this disease from the time we received our rooted cuttings up to present date. The first weeks when housed it increased rather alarmingly, but soon diminished under normal treatment and culture, and at this time the young growth is showing scarcely any signs of the disease. Further regarding the health of this variety, I am happy to say that we have not lost one plant, while among other varieties we experienced the fatality of stem rot, this variety being exempt.

It commenced to bloom early, and the early flowers naturally not so large, were to my taste the best formed. With the advancing vigorous growth the flowers grew larger, but at the same time assumed a coarser, more rugged and crimped appearance, differing much from those which have been shown at the exhibitions last year, but this can be greatly alleviated by giving the flowers time to develop, which should therefore not be cut too young. When the buds open we often find a light penciling and shading of pink, but this disappears entirely even before the flowers are fully developed and leaves them a pure white.

As to their keeping quality, I had an interesting experience. I selected some blooms for seeding and removed, as customary, the anthers and some of the inner petals, in order to give the pistils more room to develop. The remaining petals expanded fully in a short time, but it took five to six days before the pistils were sufficiently ripe for the fertilization. All this, under normal conditions, shows the time for the full development of the blooms. To my surprise some of these blooms failed to produce any pistils and kept in a fresh condition on the plants for over two weeks; stems appearing a little weak at first, but gaining rapidly in strength and length under a vigorous growth; calyx strong and perfect.

As to the quantity of blooms furnished up to date, I can not do otherwise than call it free. We labored under a disadvantage, for the plants were not up to size when taken in from the field, and later on we were obliged to depend upon them for cuttings, and for this reason I am hardly in a position to give an approximate estimation as to what the plants can do under favorable circumstances. As far as I could observe, this variety is not entirely exempt from cropping, but is scarcely seen without any blooms at any time and the period between crops is very short.

To give a summary of the whole, I cannot call this variety perfect, for perfection has not yet been attained, but it stands at the head of the white varieties disseminated and now in cultivation.

FRED DORNER.

RATS AND MICE IN CARNATION HOUSES.

Will some of your readers tell me how to get rid of rats or mice in carnation house? They are cutting a great number of buds for me. I have tried poison (Rough on Rats) on bread and butter, also on cheese, but they do not touch it since the first night or two. I found a piece of bread a few days ago in which they had eaten the bread down to the butter and poison, leaving the poison as nicely as I could have sliced it off with a knife.

I don't know just whether they are mice or rats, as I have seen both in the house at intervals. The day after placing the first poison I got hold of a very sick rat, which I killed. I believe the mice are not usually considered so cunning, and I have always been able to catch them in traps with bits of



A Vase of Roses. Simple Floral Arrangements. No. 4.

cheese. I would appreciate suggestions from any one who has had experience with these pests. They have worried me more than anything with which I have had to deal lately.

"SUBSCRIBER."

I have found to my sorrow that mice and rats can cause a great deal of mischief in a carnation house. The mice climb up on the flower stems and by their weight cause the stem to bend over near to the ground; or when the stem is supported I have noticed them climb up to the flower, bite it off below the calyx and let it drop to the ground, when they descend and eat their meal, consisting of the seed pod. I could always kill them with poison scattered over the bench.

The rats of which "Subscriber" speaks must be of the educated class. I remember some rats at our place that would not touch poison nor enter any trap. The boys made a trap of a board heavily weighted that would drop when the bait underneath it was just lightly touched, but these rats got away with the bait without being caught. At last the only thing we could do was to watch for them and shoot them. I did not notice that the rats touched any of the carnation buds.

The best preventive for these depredators is a cat or two. Since giving them free access to all the houses, I can see neither rats nor mice. There may once in a while be a pot thrown over, or they may take a walk over some plants, which I wish they would cease to do, but these little unpleasant things will not cause much damage, and can not be compared with the depredations of rats and mice. Get a cat.

FRED DORNER.

SIMPLE FLORAL ARRANGEMENTS.

A Vase of Roses.

The florist is often required to arrange loose flowers in vases or otherwise, usually for the adornment of tables or mantels. Orders for this class of work sometimes come slightly out of the regular course of business, like the following: A lady telephoned that she had just got a lot of roses that were to be used to fill a large rose bowl, and she did not know how to place them. Would I send one of my young men over, with some maidenhair fern, to fix them for her? I did not get angry and refuse to have anything to do with the job, as some would have done, because we did not furnish the roses, but the young man went, accompanied by a lot of good adiantum, arranged the flowers to the lady's satisfaction, and we charged her a good fair price for the material and service.

Once when I was much younger than now, I did get angry at one of the tactless, unbusinesslike patrons sometimes met with, usually women, and refused further negotiations. She brought some hyacinth bulbs to me in the hotel corridor, and asked me to start them for her, and said: "I hope you will bring me back the bulbs I give you, and not substitute poorer ones in their place, as these are very choice." I drew my dignity around me, buttoned it close, and thus replied: "Madam, you evidently do not know me. If you think I am capable of doing such a thing you had best keep your bulbs." She tried to reopen the deal, and apologized as well as she could, but I went away leaving the bulbs in statu quo.

The illustration this week is sent for two reasons: First, to show what may be done with very ordinary material, if care is mingled with it; as the flowers shown were some left after the best had been culled from the lot, and four of the roses were quite unsalable; and the holder is simply one of the cut flower vases in which roses are kept in the refrigerator. Secondly, it shows how color values may be rendered in black and white by an ordinary photograph, by using proper care and appliances.

The roses used were, beginning at the back of the group, President Carnot, Meteor, Beauty, Kaiserin, and Bride; and the object aimed at was to make the best use of the material, and avoid undue crowding.

W. T. BELL.

Franklin, Pa.

VIOLET NOTES.

The watering of violets is a theme on which there seem to be many theories, but I think real success comes from using a good amount of common sense coupled with good judgment regarding existing surroundings. To lay down any hard and fast rule is to in-

sure failure as certain as any other way. We have at times sprayed our steam pipes hard, in the morning, and filled the houses with fog, but this was when the outside conditions were right and the day was sure to be bright. However, this is an exceptional treatment to be seldom used, and never unless everything is just right and never in the dark winter months.

In watering, the plants often like a good, heavy soaking directly on the crown of the plant, that is, let the stream fall right on the plant at a few inches' height, taking care not to have it have force enough to wash out the plant. They are plants that delight in much water, requiring frequent soakings of cool—yes, even cold—water, often when the ground looks as if it were wet enough, yet they seem to need fresh water. Of course when your soil is a heavy clay with poor drainage, you are handicapped in watering properly, as it will not drain off rapidly enough. Tempered water we have no use for in violet culture, as it will be found to check their flowering almost immediately, at least that is our experience.

We have been testing two houses side by side, spraying one, and watering between the plants in the other; at the present time I do not think any grower could in any way tell which was sprayed and which was not. But this does not mean that we spray always and indiscriminately; not by any means, but I do think they like to have the air washed (if I may put it so) as well as to have themselves washed, and I believe it tends toward a healthy growth to have a house freshened in this way when the weather and day will permit it.

Then, too, if you wish a house to be healthy there is another thing to be taken into consideration and that is cleanliness. Keep the paths well swept, all dead leaves and rubbish burned; go over the plants often, taking care to pick all the leaves turning yellow and old, and the buds and leaves which occasionally get broken off when picking, which, if left, soon wilt and rot, cutting off more leaves and flowers with which they come in contact. After cleaning up a bed in this way, is one of the times when we like to apply the soaking on the crown of the plant, as it thoroughly cleanses it and it is a pleasure to see it stiffen up with this treatment after handling it over.

R. E. SHUPHELT.



ORCHID SEEDLINGS.

Kindly endeavor to prevail upon Mr. H. Clinkaberry to give the readers of The Florists' Review his method of raising orchid seedlings. The matter of cross-fertilizing most of the commercial sorts is rather simple. We would like to know more about the best material on which to sow seeds and treatment while in diminutive state. Conditions of moisture and material must be of great importance in this work. NOVICE.

In reply to Novice's question as to the best means of raising orchids from seed, we will conclude he already knows how the cross-fertilization takes place, and so that much can be dispensed with in replying to him. In sowing orchid seed I find it of very great importance to have the seed bed in a good condition, and also it is a most important thing to have it in the best possible position. By a good seed bed I mean on a suitable pot or basket, where there is already growing a live plant. I have had my best results, in fact my only success, when sown on such a bed. The most perfect condition so far as my judgment goes is when the plant where our seed is to be sown has been potted about a month. By that time it will be apparent if any fungoid growth is to make its appearance. Should there be any it will be disastrous to sow, but if all is sweet after that time, then it will be safe to think none will appear and seed may be sown with hope of success.

We will surmise that the plants which are used as seed beds are potted in the usual way, with a mixture of about one-third fresh sphagnum moss and two-thirds fern fibre of the best quality. Plants which I intend for seed beds are potted more firmly than are ordinary plants, and previous to seed sowing I carefully shear off the moss and rough fibre to insure a nice, smooth surface. Then before sowing the seed I soak the plant well in a bucket or tub of water, and sow directly after immersion. By this means the seed clings to the material and becomes less liable to be washed off.

Cypripedium seed is always sown on a pot which stands on the bench, cattleya, laelia and dendrobium seed on baskets. I find I get the best results by making no attempt to coddle them, but endeavor to select a position where it strikes one as being genial, and where much seed sowing takes place it is certainly best to keep all those plants together on which seed is sown, say, some snug corner where there is least fear of draughts and where there is likely to be the least fluctuation in temperature. Cattleyas, laelias and dendrobiums are much best suspended, that is, the seed sown on baskets, and in just such a snug place as already mentioned. A most important thing is to always keep the surroundings in a very moist condition, in fact, at all times near the saturation mark.

In regard to watering always keep the seed bed in about one condition, never dry, and never saturated, but strive for the happy medium. I always handle my seedlings just so soon as the time can be spared, putting cypripediums into thimble pots, which are prepared a few days before using, and cattleyas, etc., into small baskets specially made and treated some days before using. Place the small seedlings in much the same position as where the seed was sown, that is, in a nice, genial position, and never on any account let them become dry or it will be fatal to them. HENRY T. CLINKABERRY.

FERTILIZATION OF ORCHIDS BY INSECTS, AND THEIR MIMICRY.

The above title formed the subject of a popular lecture, delivered before the horticultural section of the American Institute, New York, by Mr. C. H. Atkins, on Wednesday evening last. Mr. Atkins illustrated his lecture with a large number of drawings and diagrams, and plainly portrayed the existing relations between orchid flowers and insects; the one being, homologically, the half of the other. He pointed out, from their structure, and the arrangement and situation of the reproductive organs, the utter impossibility of self-fertilization, and said they would forever remain sterile if this function were not performed through the intervention of insects.

The lecturer graphically described the various complex adaptations and contrivances by which this ultimate was obtained. Cattleyas, cypripediums, coryanthes, catasetums, angraecums, vandas, pterostylis, habenaria and many others were handled in great complexity of detail, depicting to his audience the different kinds of bees, birds, moths and flies that were specially adapted to fertilize these flowers in a state of nature. The use and value of the highly metamorphosed labellum was explained; the chief colors being usually concentrated in this

wonderful organ, and being situated immediately in front of the column, offered itself as an attraction and landing place for insects.

Mr. Atkins, in his remarks on orchid mimicry, exhibited drawings of such popular flowers as Peristeria elata (dove orchid), Odonto grande (baby orchid), Oncidium papilio (butterfly orchid), Cycnoches ventricosum (swan orchid), Aceras Anthropophora (man orchid). Flowers of gongora look like a swarm of sand wasps and emit a powerful odor of violets in the early morning, when the sand wasps are at work; this perfume entirely disappears before noon, the sand wasps going to rest before the middle of the day. Heads, wings and a host of other insect appendages being ably described; and all had their significance in attracting insects. These were not fancied resemblances, all being so faithfully depicted that even the most casual observer distinguished them at a glance.

MISCELLANEOUS SEASONABLE HINTS.

Sowing Seed.

The time will soon be here when many important flower seeds should be sown. We will hope that you have sown lobelia, petunia, verbena, centaurea and a few other sorts that want an early start. From the first to the tenth of March is about as early as the following can be sown. If sown too early the young seedlings demand more room than you can profitably give them, and you will not have an inch of space to spare before Easter (April 10th). Asters, for instance, if sown early in March, will, if kept in the full light and cool, do no harm in the seed pans or flats till early April, and then they will do finely in a mild hotbed or even cold frame if protected from frost and transplanted into other flats.

Sow asters, Phlox Drummondi, ten week stocks, dianthus, balsams (end of March), cosmos, nasturtiums, zinnias, calendulas, marigolds, chrysanthemums (the annual), mignonette, for selling in pots. There are also maurandya, lophospermum and thunbergias which you will want for baskets; no harm to sow the three latter at once. You may want to grow amarantus, perillas and celosias for the flower border; sow them early in March. Balsams, nasturtiums, amarantus and celosias are warm blooded plants, and nothing like a frost must approach them.

Mignonette does not like its roots disturbed and bears transplanting poorly; so we sow it in 2-inch pots, a few seeds in each. When two inches high you can shift into a 3 or 4-inch, and a hotbed is the place to make sturdy little plants. This favorite can be sown out of doors in the border, where it is to bloom, as you would candytuft, nemophila and many other annuals, but we find many customers who think nothing of their garden till the end of May, and then they want a show at once. So we find pots of mignonette wanted just as much as we do lemon verbena, or any other favorite for the mixed border.

The nasturtium, maurandya and lophospermum we use for baskets and vases, and when well up put into 2 or 2½-inch pots. The last two you want to grow vigorously and attain a good size. The nasturtium grows too rampant, and if growing too strong is slow to flower, so a poor soil, a warm, dry situation, and a little thirst for water will be best.

Cobea scandens, there is always a demand for a cheap summer climber, sow the middle of March. When once it begins to grow it is two feet long in no time, falls down and gets entangled and makes a lot of growth which is unmanageable and a nuisance, so don't be too early. The way to sow cobea, to get 100 per cent of the seed to grow, is to place the seed on end and press into the wet soil till it is almost out of sight. If you don't know the right end to put down you had better be safe and place the seed on edge, pressing the thin seed into the soil. Don't keep the soil too wet or the seed may rot.

I sow all seed in our tulip flats which are 2 ft. by 1 ft. and 3 in. deep. Two inches deep would do just as well if you have them. Many a time an honest seedsman gets abuse because his seeds did not germinate. I dare say many of our leading seed houses could show many a valued testimonial saying: "Your chine oyster was no good." Sowing seed, particularly very minute seed, is a delicate operation, and, although not mechanically difficult to learn, wants great care, and so do these flats or pans before and for a week or two after germination require great watchfulness. Most any greenhorn can put cuttings in the sand if he can draw a straight line, and if it is not straight the cuttings will grow, but yourself or your superior should sow the seeds.

A good plan to follow is this: Supposing you use flats of 3 inches in depth; put some coarse soil or manure in bottom, then fill in with sifted soil to within one-half an inch of the top, press evenly and moderately firm and see that the surface of the soil is about level; if not, when watered, the low spots will get a soaking at the expense of the higher ones. Then with a rose on the watering pot or hose, give the flats a good soaking and let the water drain away. In a few minutes the surface will be in good condition to receive the seed. As a rule, thin sowing has much to commend it. It takes more room, but the plants are so much benefited by having room to spread, while if crowded, they draw up spindling and weak, and if you should be delayed in transplanting, or, as we call it, "pricking out," will be well on the road to ruin.

How deep to cover seeds is a question often disputed, and no infallible rule can be laid down. The oft-quoted rule to cover to the thickness of the seed would undoubtedly be a good enough rule, but impractical. For instance, who would cover a sweet pea with but an eighth of an inch or a cabbage with the sixty-fourth part of an inch; and again, how is it possible to cover calceolaria to the depth of its own size? A mere press into the soil for these very fine seeds is enough. If asters, stocks and such seeds are covered evenly out of sight it will do.

After covering evenly with sifted soil of a light texture and again pressing down evenly, a very light watering will do, as the soil has been already well wet. This is an important point, for if you had to water sufficiently to wet the soil through, you would likely have washed the seed to one side or the other. Cover with newspapers or some shade till the seeds have started, but as soon as they are up they want the full light. Never let the seed boxes get parching dry, for you may lose many young plants by so doing. No harm in starting any of the seeds I have mentioned in a night temperature of 60 degrees, but as soon as above the ground remove to a temperature that you know is congenial to the plant while under glass, which, for instance, with asters, stocks or dianthus is at least 10 degrees lower.

WM. SCOTT.



SEEDLING CHRYSANTHEMUMS.

In reply to your correspondent, H. C. H., I would say that plants needed for the purpose of hybridizing are easiest to handle if grown in pots. They should only receive just enough feeding to keep them in good health, because when plants are fed heavily to get good flowers they are necessarily gross and bloated and the reproductive organs are subordinated to length and breadth of the petals. The best results are obtained when the plants are grown hardy, but perfectly healthy.

Keep the best flower on the plant to be retained as the seed bearer and remove all the others. Then, when the flower is fully developed, cut off with a pair of scissors all the petals down to the stamens, stand the plants together that are to be crossed and keep the atmosphere dry and moving. If the weather is bright a fine camel's hair brush used on two successive days in conjunction with plenty of air will be sufficient to insure pollination. In dull weather it is better to take the pollen on the end of a pointed match stick and touch the stamens with it. The operation is tedious, but effective.

After fertilization gradually dry off the plant and keep in a dry atmosphere till the seed is ripe. Black fly must be kept away from the flower and a little sulphur dusted over it is beneficial. The seed can be sown in March or April in nice light soil and placed in a temperature of 60 degrees with just a little bottom heat. They will germinate in a couple of weeks or less and the young seedlings should at once be pricked out and gradually hardened off. They can be planted out and grown straight ahead and left pretty much to shift for themselves the first year. Seedling mums are very interesting, but they are no Klondike, and if H. C. H. gets even one or two good things out of his batch he is lucky; so very, very few stand the test of time. How dear to my heart are the "mums" of my childhood, but they have gone the way of all flesh.

Indiscriminate crossing is useless. The operator should start out with a definite object in view and hang on to it. By the time the returns are all in and the seedlings have all flowered there may be nothing else left to hang on to, "but that's another story." For instance, let him take Bonnaffon and cross it with, say Modesto, to improve the color and so on. This will give better results than getting two or three different colors mixed up trying to strike a good combination. Strive to get a good pink. There is plenty of room for it. The better breed the parents the higher type should be the children. Onward and upward is the cry of the hybridist. C. TOTTY.

BOUGAINVILLEA GLABRA.

How shall I treat Bougainvillea glabra to have it flower well? Please give both summer and winter treatment, time to prune, etc. My plant is several years old and is trained against a brick wall. Some branches are over ten feet long, but the plant has produced few flowers. It is planted in a small tub, temperature 60 degrees at night. SUBSCRIBER.

The natural time of flowering is in June, July and August. The flower proper is but an inconspicuous affair; the bracts, as in the poinsettia, are the gay attraction. After the bracts have fallen, which is usually in November, a rest by withholding water (not drying up, but keeping on the dry side), till February will best suit the plant. In February the shoots can be pruned back and the weak ones cut out. Begin to water more freely and with the increased heat of spring they will make growth and flower freely. It is well that the plant is in a tub, as there is a limit to root room. When given unlimited root room they make a strong growth with less tendency to flower. By resting earlier in the fall and starting earlier in winter the flowers would appear as early as April and May.

W. S.

RATS AND MICE.

How can I get rid of rats and mice? The little field mice are particularly troublesome. They climb up on my carnations, bite off the flowers and when they reach the ground chew away the inside of the calyx and the lower part of the petals. I have tried a number of remedies, but have so far failed to succeed. N. Z.

I have been a fellow sufferer this winter with our friend from the depredations of rats and field mice. The latter are much the worst, for the reason that the rats will eat poison when tastefully and pleasantly administered, but the mice prefer a diet of green stuff and will only touch the poison in the way of dessert. These field mice are perfectly distinct from the little, sharp-nosed, long-tailed rodents which make a restaurant of our cupboards and pantries, and which cause the petticoated part of our family to forget age and decorum and spring with agility to the top of the nearest chair or table. I once knew an old maid who ran screaming to the house if a butterfly was encountered in her walks in the garden. The mouse scare is about as absurd.

The field mouse has a short tail, stub nose and is much heavier than the house mouse, and more resembles the mole in size and habits. It prefers the leaves and stems of carnations, violets and even lettuce, to a sardine sandwich or Stilton cheese. A good cat is the best cure for rats and mice, but in the absence of pussy get two ounces of arsenic and thoroughly mix it with half a pint of corn meal. Don't put this in an elaborate dish tied with a ribbon, but just drop a little round here and there in a careless way; on the edge board of the bench is a very good place. It is an excellent plan to put a little of the pure meal down the first night in the way of a "jollier." They will taste it, approve of its quality and eat it up, and the next night, lo the end approaches. Arsenic produces a frightful thirst, and to use the language of an old rat poison peddler whose little speech has been repeated ten thousand times and came out automatically when he opened his mouth, "They eat the poison, go to the water and drink and burst." Within three weeks I have followed the plan recommended and found both field mice and rats dead close to where they could get at water, and from their corpulency they had evidently imbibed, having the appearance of just departing from a New York florists' smoker. W. S.

WATER SUPPLY.

I want to build a greenhouse this season, and as I am beyond the line of city water supply, I would like to ask the cheapest way of heating it without water. ENQUIRER.

We would not advise "Enquirer" to heat by any other system than hot water or steam, and the place would be too small to apply steam. However small the place would be, you would need water for the plants, and if your hot water apparatus is properly constructed, pipes screwed together tight and no leaks, it will use no more water than a dozen geraniums would need to keep them in good condition. Don't try to heat with that obsolete method, a brick flue. The cost would be as much as the hot water pipes, and you are always in danger of fire, and would be debarred from that great blessing, insurance in the "Florists' Fire Insurance Association."

When you have settled on length, width, height and shape of your projected building, send a sketch to the editor of The Review and you will get up-to-date advice on how to heat it.

W. S.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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CORRECTIONS.

A number of errors crept into our last issue. The most unpleasant one was the substitution of the wrong engraving for the proper one of Livistona Hoogendorpii, but there were others. On page 428, in the "Story of an Emigrant Florist," referring to Dendrobium densiflorum, it should have read: "What a pity it and thyrsiflorum last so short a time," and not Wardianum, the latter being an excellent keeper. And the title under the engraving on page 426 should have been Physalis instead of Phylasis.

AMERICAN CARNATION SOCIETY.

Officers.

President, W. N. Rudd, Mt. Greenwood, Ill.; Vice-President, Fred Dorner, Jr., Lafayette, Ind.; Secretary, Albert M. Herr, Lancaster, Pa.; Treasurer, Chas. H. Allen, Floral Park, N. Y.; Executive Committee, the above and Wm. Scott, Buffalo, N. Y.; Eugene Dailledouze, Flatbush, N. Y.; W. R. Shelmire, Avondale, Pa.

Seventh Annual Meeting.

The seventh annual meeting will be held at Chicago, Thursday and Friday, February 17 and 18. Headquarters will be at the Auditorum Hotel, where the meetings and exhibition will be held. A special rate of $3 a day on the American plan and $1.50 on the European plan, has been secured from this hotel, which is the finest in Chicago. Rooms may be secured in advance by addressing the chairman of the local committee, Mr. P. J. Hauswirth, 318 Wabash avenue. Mr. J. T. Anthony is superintendent of the exhibition. He also may be addressed at 318 Wabash avenue.

NEW CANNAS.

Messrs. A. Blanc & Co., Philadelphia, have issued a very attractive colored print of their new cannas, including the varieties Topaz, Maiden's Blush, Duchess of Marlborough, Duke of Marlborough, Champion, Klondike, Brilliant, Lorraine, Victoria, Triumph, Cuba and Golden Pearl. It is a very interesting collection.

PHILADELPHIA.

Effect of Weather on Business.

The weather during the past week has been what the daily papers call "old fashioned winter," which means to the growers an amount of labor and expense perfectly appalling. Not only did coal disappear with marvelous speed, but the quantity of flowers cut was entirely too small to meet this extra expense, in most cases at least. Fortunately the end of the week saw a change and while clouds and rain can rarely be called a welcome change, still in this case it certainly was welcome to many a grower, for with it came a rise in temperature.

Business continues brisk. It always seems to have an added snap when it snows. The extreme cold has kept the supply down and prices remain firm. Plant trade has been greatly hampered; whenever possible orders have been held for warmer weather.

The Florist Club.

The meeting of the Florist Club on Tuesday brought out another group of the newer carnations and most attractive they looked arranged on a center-table under the light. R. Witterstaetter, Sedamsville, Ohio, sent Evelina, which carried well. Fred Dorner & Sons, Lafayette, Indiana, sent White Cloud, also in fine condition. The debutantes, so to speak, that received the most attention because least known were Frank Nequet's Maud Adams, from Patchogue, N. Y., about which the New Yorkers have said such complimentary things, and Charles H. Fick's seedlings, especially a white, which measured three and a quarter inches in diameter.

The color of Maud Adams reminds me somewhat of John Thorpe's old time seedling, May Queen; it appeared to be a sort of cherry color by artificial light. It seems strange that this color should become popular. I very well remember that when selecting my first carnation plants for growing for cut flowers, the robust habit of Sunrise, an old time sort, tempted me to buy three hundred. They bloomed early so that when carrying the first basket to the commission man, it contained nearly one half Sunrise. "This is no use," he said, picking up a bunch of that variety; "grow two-thirds white, one-third red, nothing else!"

The Stores.

The stores are devoting much attention to their show windows and very tastefully many of them are arranged. "Transient trade," Mr. Cartledge once said, "is the best." That the wide-awake retailers thoroughly realize the importance of this class of business is shown by the pride they take in having rich and striking displays, frequently changing to something else. It is a great pleasure to mark what an acknowledged power the leading retailers are becoming socially. Perhaps this little incident will best illustrate my meaning:

Not long ago a lady was arranging the details of her niece's wedding. A family conclave assembled to decide what flowers the bride should carry; it must be something choice and beautiful. Finally the lady decided on rose Souvenir du President Carnot and Cattleya Trianae made into a shower bouquet. "The Carnot will look nearly white and the orchids will add color," she said. This decision was communicated to the retailer, who was to make up the bunch. "Is the lady a widow?" he asked. "Certainly not." "Then it will not do," he said. "I would suggest either Bride roses and lilies of the valley together, as Lapageria alba is not now in the market, or Brides alone or lilies of the valley alone. The bunch should be white." And white it was of Brides and valley. What a contrast to the days when the caterer ruled the florist and made him always put smilax on the table.

Notes.

The bowling team won their match game this week in fine style. Their score is now, won three, lost three, with bright prospects of improving their position in the race.

"Mr. X.," one of our prominent retailers said, "is the best raiser of roses I know; they were five cents yesterday and ten today."

I wish to correct an error. In my last letter John Burton, not Myers & Samtman, grows Beauties in solid beds; Myers & Samtman's high even span house has tables. J. W. Y.

CLEVELAND.

Cut Flower Situation.

We have just come through the coldest and most long continued spell of frigid temperature that has occurred this winter. Although the mercury got well down into the bulb and gave us a taste of below zero weather, yet we have had clearer and sunnier days than at any time previous since early last November. The consequence is, that while there may have been some slight temporary check to the supply, yet the quality is already somewhat improved and later cuttings will show more. Flowers continue in none too plentiful supply, not even bulb stuff being as yet overdone. It is to be hoped that this feature will continue throughout the season, although anything quite so good as that would be, is a little too much to expect.

Roses are still rather short in supply, although the quality is very good, with only a very small percentage of second grade flowers. The crop with many growers is now at its lowest point and every day from now on will

tend to increase the supply. Carnations, violets and other flowers continue to jog along at their accustomed gait. Harrisii are still short in supply and are very likely to continue so as the season advances.

A Trip to Mentor.

The writer took a trip out to Mentor lately for the purpose of visiting Merkel & Son's and Carl Hagenberger's establishments. Merkel & Son's greenhouses were found in their customary good shape. The houses devoted to small ferns and palms were full of fine young stock in excellent growing condition. The houses devoted to roses were looking particularly well. One hears a great deal concerning carrying over roses for a number of years—a proceeding usually decried, especially where the roses are on raised beds. Yet here all the stock is grown for a number of years and on raised benches at that, most of the plants having been put in three years ago; yet nothing could look better than they do.

The carnation houses were in good condition. A number of seedlings show evidence of considerable promise, one in particular, somewhat like Scott in general appearance, but very much larger, looks like a good thing. There were also several scarlets of various shades that look well if they do not go back later, after the pleasant fashion of carnation seedlings in general. One thing not often seen was a batch of Asparagus plumosus in seed. There is an impression quite general with many, that this variety does not seed, at least without artificial aid. This stock has been allowed to pursue nature's course throughout and the strings are heavy with berries in all stages of development. Many thousands have been gathered and sold, and there are many more thousands still to come.

One house of violets is grown, mostly Marie Louise, with one bench of Princess of Wales. They all look well, quite the best that the writer has seen for a long time. Princess of Wales is a fine grower and bloomer, the flowers being large and of fine color, with good stems. One very good feature of them is, that instead of the petals being so much reflexed as in the California violet, they stand straight out, making a fine, bold flower almost round in form, reminding one rather of the shape of a pansy than of the conventional single violet.

Carl Hagenburger makes a specialty of bedding stock and carnations. The stock was looking well throughout and in a batch of seedling carnations some very novel specimens were noticed. One in particular was very odd. It was a bright yellow, with broad stripes of dark red through the petals. The flower owing to great contrast of colors and the breadth of the stripes, had a peculiarly bizarre appearance. Should further propagation and growing fix the character of the bloom it would certainly make a novelty.

Seen from the Car.

On the trip out, the writer forgot to mention that the grounds of the Cushman Gladiolus Co. were passed. High up on a side hill a man or two, under the superintendence of Mr. Cushman, were at work prying at something in the ground. As the car sped by, all hands could be seen prying away for dear life. Suddenly the tools slipped and all hands with surprising unanimity, sat down without seeming to select any particularly desirable spots for performing the evolution. There was at first some idea that the movement was some new method of saluting the occupants of the passing car, but further consideration leads one to think that the indefatigable Mr. Cushman was only getting out an unusually large gladiolus bulb. Why not try dynamite? NEMO.

CHICAGO.

The Market.

There is little change in market conditions. The promised increase in supply of roses has not yet materialized and the shortage seems as great as ever. Other flowers are in fair supply, and bulbous stock is coming in freely.

The Carnation Convention.

Preparations for the convention of the American Carnation Society are well advanced and everything will be in good trim on time. The exhibition will be held in the banquet hall of the Auditorium Hotel and the meetings in an adjoining club room. Remember that the convention opens the morning of next Thursday (Feb. 17). The local florists should be on hand in force to greet the visitors.

The banquet will be held at the same hotel, beginning at 7:30 o'clock Friday evening (Feb. 18). This promises to be a most enjoyable event. All florists are invited to attend. The local people will be expected to pay for their own plates, and the tickets are $3 each person. Those who will attend are requested to notify the chairman of the committee, Mr. P. J. Hauswirth, 318 Wabash ave., so the committee may know how many to provide for.

A bad Fire.

Wednesday night of last week the greenhouses and stock of Messrs. Felke & Miller, at Wilmette, were almost totally destroyed by fire. The range of glass contained about 50,000 feet and the loss is a serious one. There was no insurance. It is suspected that the fire started from some tobacco stems which had been wet and frozen and placed on the boiler to thaw, and then forgotten. In his attempts to put out the fire when first discovered, Mr. N. Miller, Sr., aged about 70 years, was quite seriously burned and may lose his eyesight in consequence.

Various Items.

Mr. John Zeck, of Reinberg Bros., is confined to his home by an attack of rheumatism.

Harms & Lang have dissolved partnership, to take effect March 1. Mr. Lange will continue the business on his own account.

Florist Mueller, of Morton Grove, is reported to have made an assignment.

Walter Kreitling says he is still in the ring, even if he has been confined to a diet of fried snowballs.

This Thursday evening is "Retailers' Night" at the Florists' Club, and the meeting will undoubtedly be a very interesting one.

TORONTO.

Market Conditions.

No one can complain that old probs. has not been giving us plenty of weather this last week. There were, however, a few hours' sunshine mixed in with it, which did some good while it lasted. Roses and carnations have come on very slowly, barely keeping up with the demand, in fact, carnations have not done so. Violets, however, are plentiful and in good demand. Dunlop has two houses of them in very fine crop now and very healthy looking; they are worth looking at.

Society Meetings.

It was too cold and stormy for the crowd to get out to the regular meeting of the Horticultural Society last Tuesday. A few ladies, however, attended in spite of the weather, and about 25 of the male sex, mostly professional. Mr. J. McP. Ross, the new president, took the chair for the first time and there is no doubt, judging from experience of his genial qualities, that he will make a most efficient president. The meeting was very pleasant and interesting, the papers were well written and the discussions lively.

The Canadian Horticultural Association hold an organization meeting here on Thursday, the 10th, and if the weather does not turn too severe again before that time a large meeting is expected. Visiting delegates will be invited to the eighth annual dinner of the Toronto Gardeners' and Florists' Association. It will be an event in the history of Horticulture in Toronto.

The executive committee of the G. & F. Association have resolved to recommend at the next regular meeting that the annual fee be $1, payable in advance, that the association adjourn for four months during the summer, that a grand social meeting be held at the reopening in August, that the full prizelist for the chrysanthemum show be compiled and issued as soon as possible, and that the show be held the second week in November.

Messrs. T. Manton and A. H. Ewing were chosen as delegates to the Industrial Exhibition Association, the annual meeting of which takes place on the 15th.

Mr. J. H. Dunlop returned home last week. He reports great success with his new rose Lady Dorothea (sport from Sunset). It certainly is very pretty, as seen growing, and I should think sure to be popular. E.

ST. LOUIS.

Trade Conditions.

Trade for the week just past was good with some of the florists, while others claim it was dull. Still flowers are scarce and for two weeks past really first class stock has been short. Commission men report a great many shipping orders, but can't fill them as the home trade is taking nearly all the flowers that are coming in just now, with the exception of bulbous stock and violets, which are very plentiful and sale on them slow. The ground hog saw his shadow last Wednesday, and the chances are we will have six weeks of bad weather before us, and stock will remain scarce.

Prices—Stock.

Prices are still at the top notch. Good first class Beauties are out of the question in this market just now, but a good many short stemmed ones are coming in and sell at from $5 to $10 per 100. Brides, Bridesmaids and Meteors are selling from $8 to $10 for the best; Perles and Woottons $4 and $5, seconds $2. Carnations are about the same as last week, not over plentiful and are selling well at $2 and $4 per hundred. Henry Aue and F. W. Ude, Sr., are at present sending in the best. Bulbous stock is plentiful. Romans sell at $1.50 and $3; paper whites, same; daffodils, $4; tulips going slow at $2; valley, good, $4; Harrisii, $12.50; callas $10; freesia, $1.50 to $3.

A great many orchids are being used now and will soon become standard stock in this market. Violets are still a glut. A great many of them come from the south and the home grown ones have to stand back, as the southern are sold so much cheaper. The public don't seem to care just so they are cheap. Smilax is plentiful and is selling very slowly at $10 per 100 strings.

Club Smoker.

After the club meeting Thursday of this week the club will hold its annual smoker at the Mercantile club rooms. The committee, composed of Messrs. Beneke, Young and Fillmore, has made all the arrangements to have a good time. There will be plenty to eat, drink and smoke and also lots of singing and funny sayings.

Mr. J. F. Ammann, of Edwardsville, has been specially engaged to sing all the latest songs. Mr. C. W. Wors will sing his new song, "The Wandering Jew; or, Who Stole the Ham." Messrs. Kuehn, Weber, Schray and the Ude brothers will give a cakewalk. Frank Fillmore, by special request, will sing "Annie Laurie." Ed Buechel and Al Bauer will do a song and dance. Dr. Halstedt, E. W. Guy, A. Feher and Henry Emmons, of Belleville, will sing as a quartette. Max Herzog will give his famous Dutch specialty with wooden shoes, and many others will also contribute a few selections.

Mr. Carew Sanders returned home last week after spending a few weeks in Florida.

The executive committee met again last Saturday night and worked on the preliminary list for this year's show. The list will be out by March 1.

Personals.

Frank Ellis, manager of the Mound City Cut Flower Co., who has been sick for the last three weeks, is out again looking as good as ever and ready for work.

J. S. Wilson, with J. C. Vaughan, Chicago, is in town. Jim came to St. Louis to see his brother Alex and Charles off for the gold fields. Johnnie Connon, a cousin of the Wilson boys, and Wm. Lingenbrink, went with the party. They left Thursday night last. Good luck to you, boys.

E. W. Guy, of Belleville, and Chas. Kuehn spent a day last week with the Ude brothers at Kirkwood. They report that they found everything in good shape and stock looking at its best. The Kirkwood boys are getting the bowling fever now, as they say they are going to build an alley of their own.

A firm under the name of Etoile & Co., 921 Olive street, with Fred Foster as manager, has opened up a floral establishment. The card reads that they have branches in London, Paris and Algiers.

Bowling Notes.

The Bowling Club on Monday night rolled its usual three games of tenpins after a rest of four weeks. Capt. Wilson, of the Chicago Bowling Club, who is in town, rolled with the boys and made 494 in three games. Among the club rollers Beneke was high man in the three games with 588, single high score 246; C. A. Kuehn second with 560, single score 221; and E. Schray third with 532, single score 192. Next Monday night Mr. Finlayson will become a member of the club. J. J. B.

CINCINNATI.

Cincinnati Florist Society.

A special meeting of the Cincinnati Florist Society was held on Saturday evening, Feb. 5th, with a good attendance. President Witterstaetter in his opening remarks, stated that the meeting had been called for the purpose of making final arrangements to attend the convention of the American Carnation Society at Chicago, and that he hoped every one who could possibly spare the time would join in the proposed trip. Mr. E. G. Gillett was appointed a committee of one to secure cheap transportation. Our party will leave here on Feb. 16th at 8:45 p. m. over the C., H. & D. railroad. All those from neighboring towns wishing to join the party can secure particulars by writing the secretary of the society, Mr. Albert Sunderbruch was instructed to correspond with the manager of the exhibition and secure space for the Cincinnati exhibit. Thus far about twelve have signified their intention of going, and it is to be hoped that this number will be increased. Mr. J. M. Gasser, of Cleveland, was present at the meeting.

The weather during the past week has been the best we have experienced for some time. The bright sunshine has given new life to the poor plants and instead of a good crop of black spot we will soon have a more profitable product in the way of roses. Roses and carnations show a slight improvement, both in quantity and quality, although the supply of the former is still somewhat limited. The prices on all stock remain about the same as quoted last week.

The past few weeks has proved that Messrs. George & Allen can produce roses just when they are wanted as well as bulbous stock. The commission men have had to depend almost entirely upon this firm for their supply since Christmas.

Henry Schwarz is quite busy getting his houses in shape after the storm.

G. Brunner's Sons continue to bring in the best Marie Louise violets grown in this vicinity.

Alfred Knopf, of Columbus, O., was a caller last week. B.

BALTIMORE.

Stock Scarce.

It was indeed a limited supply of stuff that found its way to our commission houses this week; owing chiefly to an unusually cold spell, which for our climate could be termed a veritable blizzard.

Decorations.

Entertainments have been numerous, but the cold weather (having driven pedestrians off the streets) greatly affected the transient trade. In the store windows can be seen quantities of bulbous stuff, such as tulips, narcissus, Duch hyacinths, jonquil, etc., with a lot of the usual flowering stuff, among which the genistas and acacias are new arrivals.

The writer recently had the pleasure of seeing a very tasty and unique afternoon tea decoration of palms and blooming stuff. Besides the usual mirror and corner effects a special feature of the work was a high bank of palms, ferns, azaleas and lilacs, interspersed with Harrisii lilies and swainsona, forming a semicircle through the doorway from the parlor to the hall.

Messrs. H. Weber & Sons, of Oakland, and Woodfall Bros., of Glennburny, are both shipping choice carnations the past few weeks, of which Helen Keller are exceptionally fine specimens.

Various Notes.

On Jan. 28, Mr. Jno. Cook, of Old Frederick Road, was robbed of four of his valuable rose seedlings. The thief is thought to be a workman who was in Mr. Cook's employ for the past five months and who, on the above named date, absconded. Several articles of apparel belonging to his fellow workmen have also disappeared with him.

The Baltimore correspondent of The Florists' Exchange was in error when he stated that at our last club meeting President Pentland considered that paper "the best trade journal." Our president did, however, praise the Exchange, and also said that up to the advent of The Florists' Review he had given the first mentioned paper the preference of the field. The writer agrees with Mr. E. A. S. that "facts are stubborn things," but he also thinks it would be wise not to jump too quickly at conclusions. The subject being merely a personal argument and not a club matter, the trade paper correspondents were requested by the chair not to make any note of the discussion. The club highly appreciates the complimentary courtesies which the several trade journals have extended towards them and it is not the wish of the organization to offend by making a distinction.

It was with great regret, on the 3rd inst., that the craft learned of the death of Mr. Ed Davis, late vice president of the Franklin Davis Nursery Co. of this city. C. F. F.

NEW YORK.

On the Street.

Up to Friday of last week our friends the wholesalers wore "one grand substantial smile," and now today, Monday, they are as blue as an editor's pencil, and a glut of stuff in sight. Of course it is understood that when a wholesaler is blue trade is bad. Last Saturday the market went all to pieces and it had not recovered up to this writing. The day has not been yet though when the demand exceeded the supply, though up to Friday it approached that mark nearer than any time this winter. Now, with little demand, there is more stuff, which reminds me of the farmer who took boarders when he ought to have planted corn and planted corn when he ought to have taken boarders, but then it was ever thus.

The new crop of roses is coming in and Lent will soon be here. Very little change in prices so far, though this week will see a big drop I am sure. Carnots and Kaiserins are exceedingly scarce, the fancy grade selling from $1.50 to $2 per dozen. Beauties still continue scarce also; there is very little demand, however, and the majority are shipped.

There is a tremendous glut of bulb stuff and prices are almost what you can get. Valley still remains inactive and Von Sions are a drug.

A few Coelogyne cristata are making their appearance and sell at $5 per hundred; Dendrobium formosum giganteum, 12c to 15c, and a few fancy "cyps" at 12 cents. The glut of cattleyas seems about over and next week I expect to see the price stiffen on this commodity.

Next Saturday is Lincoln's birthday, a legal holiday here now, and if the weather is good, from a wholesaler's standpoint, it ought to help the market a little, more specially violets, which sadly need a boost.

Our Special Wholesale Report.

Signs are not wanting that point to a larger supply of all kinds of stock; fairer weather and shipments slowly increasing. Roses and carnations have stood still for the last month and now only need some sunshine to bring them out, and it looks as though we were going to get it.

Trade was not brisk, but good enough to consume all the best stock up to Friday, when the demand fell off, and on Saturday there was a frost. It seemed as though the bottom had fallen out entirely. High prices have prevailed on the choicest roses, but inferior stock was in limited demand.

The quality of Maids and Brides was never better, nor has there been so much fancy stock in the market before. Cusin, Morgan and Testout, when good, were sold at good figures. Beauty is generally poor, with the exception of the long stems, and the supply of the latter is still light, though there is considerable of an increase in the cut of short sizes. There has been sale for all the good Brunners received.

Carnations are in good supply; prices steady on good stock, but the poorer kinds are not wanted. The severe weather affected violets to the extent that the bulk of them were carried along until the latter part of the week, when they sold at low figures. Some low prices have been taken for valley, as it is still abundant, the price seldom exceeding $2 per 100, except for occasional small lots, $1.50 is nearer the average. Cattleyas still hang, and prices vary from 20 to 40 cents.

There is a full and sufficient supply of Harrisii. Tulips, narcissus and freezias are to be seen all over, and sales are made at a price to suit the buyer. Lower prices may be looked for this coming week on all grades of roses.

Seed and Bulb Trade.

The weather of the last week put a severe check on the seed business. Snow has fallen very deep in all sections, especially in the New England states. It is only temporary, however, and the "wheels of progress" will soon revolve again. Spring bulb trade is commencing to rear its head and there is a general movement of stock in this line.

Mr. E. M. Parmlee, Picton, Ont., and D. C. Day, representing J. Chas. McCullough, Cincinnati, were both callers on the trade during the week.

The Retailers.

Outside the ordinary society functions there has occurred nothing extraordinary or that would materially affect the market. The Arion ball at the Madison Square Garden was taken care of by Hanft Bros (that is, the decorative section), and was fully up to the usual standard. However, but few flowers were used, "heavy greens" being handled chiefly, and "tinsel."

I cannot but help notice the window of J. H. Small & Sons whenever I pass. It is never elaborate, but always looks rich and aristocratic. To-day there was a border of selaginella around the edge of the window, then a bank of adiantum, out of which stood well flowered azaleas and vases of Acacia pubescens and sweat peas. Suspended from the ceiling were baskets of pretty Davallia bullata draped here and there with strings of asparagus.

Various Notes.

Mr. S. C. Nash, of the New York Cut Flower Co., has returned from Florida, where he has been on a vacation. He had a very narrow escape on his way south, an accident occurring to the train he was on whereby four people were killed.

BUFFALO.

Flowers Plentiful.

The blizzard which covered the country for four or five days made business very dull, although we were by no means hampered in getting our supplies, and there was no lack of flowers of any kind. Alas! it was the customers that were not in supply. Ladies don't wear violets on the street when it is 5 degrees below zero and the wind blowing forty miles an hour. They think more of flannels, etc., etc. 'Tis just, and balmy breezes are here again and immediately there is a revival of business.

Flowers of all kinds are plentiful and of A 1 quality; prices moderate. Tulips and daffodils are selling quite fairly. Last year we did not have enough scarlet tulips; this year we have too many. Now everybody wants pink. Some fine La Reine have filled the bill and some very fine Rose Grisdelin are still better. Carnations hold their own, but vary in price, which they certainly should for Jubilee, Pingree, Flora Hill, and more particularly that pure white beauty Genesee, should be worth more than Scott, Daybreak, Portia or little Humpty Dumpty Alaska.

Few Entertainments.

Few events calling for any elaborate display of flowers, either joyous or funereal, have happened of late. Worthy of mention, however, was an event occurring on Saturday evening last. It was the wind-up of the "House Committee on Interstate and Foreign Commerce." They came at the request of our congressmen to consider the advisability of connecting the mainland of the state of New York with Grand Island, situated in the middle of the Niagara river. The island is fourteen miles long and seven broad, so it is worth connecting, especially to those who own land on this island. It will be a mammoth bridge, and is strongly opposed by the residents of the second largest lumber city in the world, situated a few miles further down the river. But this is not floriculture. The committee did not promise to report in favor of the bridge, but that did not prevent them from partaking of refreshments on numerous occasions during the day. In fact, the frequency of the irrigations would lead one to think it was July.

It wound up with a banquet at the Ellicott club rooms, largely attended by representative citizens. What was there in floral work was well described in a daily paper and is, I think, more likely to be correct than the average attempts of that sort. Joseph H. Rebstock was the artist, and it did him credit. If Toronto is ever joined to their island by a bridge and they have a banquet before it is built, here is a model for Mr. Tidy or John Dunlop, or whoever may be the fortunate one.

When the guests gathered at the Ellicott Club at 8 o'clock for the banquet tendered by the City to the visiting committee, they found on the center-table in the reception room, a representation of the coveted Grand Island bridge in flowers. It was about six feet long and four feet high. The abutments were of white and pink carnations. The roadway and approaches on the Buffalo side were made of roses and carnations and violets and lilies of the valley with the word "Buffalo" in purple cording on the approach. The Grand Island approach and roadway were of pink carnations with roses and lilies of the valley and the words "Grand Island" in purple cording. The bridge span was of pink and white carnations. Two blue and two white incandescent lights burned, one at each corner of the bridge. The parapet was trimmed in smilax. A red light gleamed underneath the bridge and soft green leaves represented the water and the land. The House committee admired it greatly and it certainly was a beautiful embodiment of the bridge project.

Carnation Society Meeting.

I know of two at least of our townsmen who will attend the Carnation Convention in Chicago the 17th. If there are any New England men going, we shall be glad to know of the fact, for we might get aboard the same train, and there is no better way for New Yorkers than via the N. Y. C. & H. R. and Lake Shore. If the display is anything like the one in Cincinnati last year, it will be worth a long journey. We shall miss the pentrating treble of Mr. Giesy, and it is to be hoped that the secretary has found a use for the domestic piece of furniture presented to him last year. But if all these things have failed, the president of the society is well worth seeing, and so is that city where growth is unparalleled in the world's history—Chicago. W. S.

BOSTON.

Mass. Hort. Society.

At the meeting of the Massachusetts Horticultural Society last Saturday appropriations for the year were made and considerable routine business disposed of. At the suggestion of President Appleton, a committee of five was appointed to give special attention to the preservation and improvement of the woodlands of Massachusetts. Seven applicants for membership in the society were duly elected.

At the weekly exhibition Mr. Carl Blomberg, gardener for Oakes Ames, exhibited 61 vases of orchids. Among them were noted Cattleya Trianae in variety, C. speciosissima, C. labiata, Laelia harpophylla, L. anceps, Coelogyne cristata, Odontoglossum Roezlii-alba (a very charming species), Dendrobium Wardianum, D. Devonianum, D. crassinode, D. c. Barberianum, D. nobile, Cypripedium Bellona, C. Calypso Oakwoodensis (a very fine variety), C. Dayanum, C. Lathamianum aureum, C. Germinyanum, C. Lynchianum, and a fine variety of C. villosum. For this exhibit he was awarded first prize.

Wm. Nicholson, South Framingham, staged 13 vases of carnations and received first prize. M. A. Patten, Tewksbury, showed 16 vases of flowers that were also very fine, and which received second prize. E. A. & W. K. Wood were awarded a gratuity for two vases of E. A. Wood and Ferd Mangold.

Mrs. E. M. Gill exhibited 13 vases of cut flowers, among which were Oncidium flexuosum, Lycaste Skinnerii, and a variety of clivia. First prize for violets went to Alex McKay, gardener to David Nevins, second to W. C. Winter. James Comley displayed 50 vases of camellias, for which he was awarded both first and second prizes.

There was a large and interesting display of vegetables and quite a number of prizes were awarded in this section.

Correction.

In my report of the carnation exhibition at the flower market I was in error in stating that the new white carnation Genesee was staged by Mr. Wm. Nicholson. It was sent here by Mr. D. B. Long, of Buffalo, N. Y.

A Heavy Snow Storm.

During the past week New England was visited by one of the heaviest snow storms during nearly 40 years, and there was considerable damage to greenhouses by the great weight of snow on the roofs. Suburban trains were blocked and traffic in the city was largely suspended. Practically no flowers reached the wholesale houses from Monday till Wednesday morning, but there was no demand to meet as purchasers could not get downtown. Warren Ewell, of Dorchester, had one house cave in, but most of the stock was saved. M. Aylward, Dorchester, had two houses badly damaged. It will take 75 to 80 boxes of glass to replace the broken lights in the Waban Conservatories at Natick. Others who suffered damage were W. A. Bock, of North Cambridge, and Mr. Dunbar, of Watertown.

The Market.

Trade has been just about the same as the previous week. There is plenty of supply in the shape of bulbous stuff which meets with tolerably ready sale. No alteration in prices this week.

New Store.

Mr. Cohen, corner of Chapman Place and Bosworth street, has taken an additional store on Chapman Place, to be devoted entirely to the sale of plants.

C. H. J.

WASHINGTON.

An Era in Decorations.

The week past has been an era in the history of floral decoration entirely unsurpassed. Never before have so many thousand yards of smilax, hundreds of crotons and thousands of orchids and roses wilted for the glory of effect in evenings shortened by much champagne. The most perfect triumph of the decorator's art was seen last week at the dinner given by the Secretary of the Interior and Mrs. Bliss at the Arlington in honor of the President and Mrs. McKinley. The dining room walls were entirely concealed by foliage and clusters of Marguerites and white azaleas. The center of the room was a glen of ferns in which trees of pink roses and lilacs towered fragrantly. Crescents of purple and green orchids on mounds of ferns and galax, bordered the huge circle about the wilderness of flowers which formed the banquet table. The social calendar for the coming week shows many dinners and social events among the diplomatic corps and will no doubt eclipse the week just closed.

Among the Retailers.

The retailers report good business. They have quantities of bulbous stuff on hand, but roses and carnations of A1 quality are scarce. Of tulips red has the lead and is most in demand. Azaleas were never prettier or as well grown as this season, there being some especially beautiful specimens in the windows. Vervaeneana takes the lead and is in great demand.

Some Cattleya Gems.

There may be seen at present in the large and valuable collection of orchids of Messrs. Field Bros. a lovely pure

white form of Dendrobium Wardianum, pure white as to sepals and petals; throat yellow without dark spots, always noticeable in the type. Several pieces of the white Cattleya Trianae may also be seen, as well as a number of the choice and beautiful Cymbidium eburneum.

Prices.

The price list for the week: Beauties, $4 to $9; La France, $1 to $3; Bridesmaids, $2 to $3; Carnots, $3; Kaiserin, $3; Gates, $1 to $3; carnations, 50 cents per dozen; violets, $1 to $1.50; tulips, 50 cents; valley, 50 cents; narcissus, 50 cents; Harrisii, $2 to $3.

The only visible effect left of the blizzard of last week is the great holes in the coal piles, which look as if a cyclone had struck them.

Mr. Wm. Clark had a boiler burst, but Mr. Clark doesn't mind a little thing like that. He is always equal to any emergency, and soon had it going again.

W. H. K.

INDIANAPOLIS.

Club Meeting.

The February meeting of the Indianapolis Florists' Club was held Tuesday evening, Feb. 1. Through the courtesy of the Huntington Seed Co., the meetings will be held in their office room; a lot of folding chairs and other supplies were ordered purchased. The attendance was very good. Four new members were elected, including Park Superintendent Clyde Powers. The conduct of several self-styled florists again came up for discussion, they going so far as to represent themselves as representatives of well known houses when going "crape hunting." This practice has given rise to serious complaint among some citizens and the club felt it its duty to take some definite action. A committee was appointed to get up a "warning" against aforesaid "crape hunters." It was decided to inform the press of the club's action and also to print about 20,000 to 30,000 slips to be distributed where they would do the most good.

Mr. J. J. B. Hatfield read a very interesting essay on "Why We Ventilate." As he is a very scientific man, his paper was full of new things to the average florist. The interest shown in his remarks was very plain, as evinced by the close attention.

A committee of three aged members was appointed to draft resolutions and order a suitable floral emblem on account of the death of Mrs. Allen Lloyd, elected one of the first honorary members of the state and city societies, as was also Mr. Allen Lloyd, who died two years ago. Being the oldest couple that were ever engaged in the flower business in this state, much interest was felt in them by us all.

An inquiry by the president showed that about 10 to 12 members will attend the National Carnation Meeting in Chicago. There is some complaint that there is so little information out in regard to this important meeting.

Notes.

August Schmidt, for many years with Mr. John Rieman, committed suicide a few days ago. At times very much inclined toward dissipation, he is supposed to have committeed the deed out of remorse.

On Feb. 1 The Bertermann Floral Co. paid off all notes in full issued by the late firm of Bertermann Bros.

At Garfield Park two greenhouses, 10x100, have been added for bedding plants.

Robert McKeand and assistants are busily engaged getting ready for planting in all the parks the coming season.

W. B.

WANT ADVERTISEMENTS.

SITUATION WANTED—Gardener, single; in private place, understands care greenhouses, fruits, vegetables, lawns and everything in general; Best of references. Address W., Florists' Review, 56 Pierce Bldg., New York City.

FOR SALE—Large cypress tank holder; ten thousand gallons of water; good as new, as it has been indoors and well painted; only in use 5 years; price, $75.00, f. o. b., Cincinnati. J. A. Peterson, 105 East 4th St., Cincinnati, Ohio.

WANTED—I would like to correspnod with parties who may have Lilium Harrisii in 4-inch pots. I want 300 for April delivery. Name lowest cash price on same, now, per 100. F. N. Haddon, 36 Tyler st., Boston, Mass.

WANTED—A first-class man to take full charge of 12 Greenhouses near Chicago. One that can purchase one-third or one-half interest preferred. Address K. K. K., care Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By practical florist and gardener, private or commercial, as foreman, A 1 on roses, carnations, mums, violets, etc.; 15 years' experience in this country; English; married; no one horse affair need answer this; state wages, best of references. Address B. N., care Florists' Review.

WANTED—Foreman, on commercial place, California. Must be experienced in handling men, with unquestionable knowledge of propagating and growing, both inside and out; competent to take entire charge; good habits and best of references. Address "Carnation," care of Florists' Review.

FOR SALE—Range of greenhouses, and land for rent. Address John Leluan, West Foster avenue, Station X, Chicago.

SITUATION WANTED—By a first-class florist, 12 years experience in growing cut flowers and general bedding plants; age 28; single. Address Florist 100, care Florists' Review.

FOR SALE OR RENT—New house, with large barn and carriage house; poultry pen, good lawn, one and one-half acres of planting land; good water and other essential appliances which make it a desirable residence and florist business; situated one-half mile from Asbury Park Depot, New York line; rent, $250 per year, with option of a 5-year lease. Address Owner, care Florists' Review.

POSITION WANTED—By an English florist; 15 years experience in U. S. and Europe; references. Full particulars to "Hustler," care Florists' Review.

SITUATION WANTED—By a florist and gardener, private or commercial; 15 years' experience, who can grow carnations, mums, roses, etc. also vegetables under glass. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Having managed cut flower store two years with success, I desire to change position for larger concern by April 1; Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florists' Review.

SITUATION WANTED—As foreman with some refined party, by a practical grower of cut flowers, palms, orchids and general stock; good designer and decorator; only reliable parties need answer; best of references, California preferred. Address Orchids, care of Florists' Review.

FOR SALE—A first-class florists' refrigerator. Have changed location and it can not be used in present place; will sell cheap. Address J. J. McManmon, 6 Prescott st., Lowell, Mass.

FOR SALE—3,000 square feet of glass, in the state of Indiana; must be sold at once. Address "B," Forists' Review.

WANTED—A good rose grower, a working foreman who can grow Beauties; give references. Address W. C. Florists' Review.

SITUATION WANTED—By a first class grower of cut flowers and plants; also good designer and decorator; references. G. R. B., 310 Foote ave., Jamestown, N. Y.

SITUATION WANTED—By a practical florist and rose grower; specialty on fine roses, carnations, mums, violets, etc.; good designer; age, 38, best references. Address W. G., care 164 E. Main Street, Alliance, O.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salaryor commission basis; a first class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—By first class rose, carnation and violet grower; married; reference given Address the Muncie Floral Co., Muncie, Ind.

SITUATION WANTED—As foreman, by all around man, single, American; 9 years' experience, temperate, west preferred. Roses, care Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where fine cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

SITUATION WANTED—By a good German gardener, married, small family; was working in wholesale places; private place preferred; best of references. Paul Stoever, 75 Ward street, Chicago, Ill.

SITUATION WANTED—By young married man, age 27, who can grow orchids, palms and ferns. Address N. J. A., care United States Exotic Nursery, Short Hills, N. J.

SITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age, 38; married; best of references. Chicago, care Florists' Review.

WANTED, SITUATION—By a florist of 20 years' experience as maker up of designs or general greenhouse work; very best of recomendations. Joe. N. Lawrence, Ottumwa, Ia.

SITUATION WANTED—By florist and gardener; private or commercial place; thoroughly competent; married. Address B., care H. A. Dreer, 714 Chestnut street, Philadelphia, Pa.

WANTED—First-class rose grower; strictly temperate and willing te work; steady place; state wages expected and give references. Humfeld Floral Co., Ninth and Highland ave., Kansas City, Mo.

SITUATION WANTED—First-class grower of roses, carnations, violets, mums, wants a steady situation. Address Grower, 113, care of Florists' Review.

Wanted A good, reliable Traveling Salesman for the

FLORISTS' SUPPLY LINE.

Address S. C., care
FLORISTS' REVIEW.

GREEN HOUSE FOR SALE.

EVERYTHING in first-class condition, and centrally located. Good stock of flowers of all kinds. Natural Gas and Water Works supply. Population of city 8,000.

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Our Quarterly Wholesale Catalogue has been mailed to all florists. If you have not received a copy we will send one on receipt of business card.

Here is a short list of Flower Seeds of exceptional quality for present sowing:

	Trade Pkt.	Oz.
Aster, Giant White Comet.....	.40	$2.00
Aster, Queen of the Market, white	.25	1.00
Aster, Queen of the Market, mixed	.25	.75
Aster, Paeony Perfection, mixed.	.30	1.50
Aster, Improved Victoria, mixed.	.30	1.50
Aster, Semple's Branching, shell pink	.30	1.50
Aster, Semple's Branching, white	.30	1.50
Aster, Semple's Branching, lavender	.30	1.50
Aster, Semple's Branching, mixed	.30	1.25
Centurea Margaritae, new, large flowering, white.....	.40	2.00
Heliotrope, Lemoine's Giant.....	.50	6.00
Lobelia, Crystal Palace compacta	.40	2.00
Mignonette, Machet, select.....	.15	.50
Petunia, Dreer's Single Fringed..	.50	
Petunia, Dreer's Double Fringed—500 Seeds, 75c; 1,000 seeds, $1.50.		
Salvia, "Bonfire" (Clara Bedman)	.50	2.50
Salvia Splendens, fine strain.....	.30	1.25
Verbena Mammoth, scarlet.....	.40	2.00
Verbena Mammoth, white	.40	2.00
Verbena Mammoth, pink	.40	2.00
Verbena Mammoth, purple	.40	2.00
Verbena Mammoth, mixed	.40	1.75

Get a Catalogue and look it over.

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20,000 ROOTED ROSE CUTTINGS. Brides, Bridesmaids, La France, Meteor, Hermosa, Niphetos, Perles, @ $1.25 per 100.

CARNATIONS. McGowan, Scott, Daybreak, @ $1.25 per 100; $10.00 per 1000. By mail add 10c per 100. Cash with order.

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is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

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NOW READY, 1898 TRADE LIST.

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NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - 60c. each; $5.00 doz.; $40.00 per 100.

NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - 35c. each; $3.50 doz.; $25.00 per 100.

GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - $12.50 to $20.00 per 1000.

Two-inch pots $20.00 to $40.00 per 1000.

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J. C. CLARK, Superintendent. WM. L. SWAN, Proprietor.

PLANT SHIPMENTS TO MICHIGAN.

In reference to the Michigan law, printed on page 326 of your issue of Jan. 13, I mail you a letter from the "Inspector of nurseries and orchards" of the Michigan State Board of Agriculture, which indicates that greenhouse plants do not need inspection when they are labeled as such. The letter is as follows:

"Lansing, Mich., Jan. 28, 1898.

"Mr. E. Haentze, Fond du Lac, Wis.—Dear Sir: As you have no inspector in your state, a statement from Prof. E. S. Goff, of the Experiment Station, would be accepted. The express and railroad companies do not have to hold stock, but only to notify us of the shipment when not properly labeled. If you label your greenhouse plants as such, they would not need the inspection. Such has been our ruling regarding the law."

PLANT INTRODUCTIONS OF 1898.

The undersigned respectfully solicits from all those introducing or having a knowledge of the introduction of new plants to the American trade for the year 1898, such descriptions and information as will be of assistance in making up the complete list for the year which will be published as a part of the record of The Society of American Florists and Ornamental Horticulturists as was done last year but in a more comprehensive form. Address, Wm. J. Stewart, Secretary, 67 Bromfield St., Boston, Mass.

FREE JACKKNIVES.

An Iowa congressman received the following pointed communication regarding government seeds. "Why not let up on seeds for a while and send jackknives? Everybody could use them, and there would not be so much waste. In that case radish seed would not come up poor turnips, and the congressman would be saved much ridicule, which he now often gets."

THE BEST FOR ALL Florists

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	Per 100	Per 1000
ASPARAGUS SPRENGERI SEED; now ready	$1.50	$10.00
ASPARAGUS PLUMOSUS NANUS SEED; new crop on hand	1.25	10.00
CANNA AUSTRIA; strong, field grown pieces	2.25	20.00
CANNA ITALIA; strong, field-grown pieces	3.25	30.00
LATANIA BORBONICA; (seed), just arrived	.35	3.00
TUBEROUS ROOTED BEGONIAS; single to color	2.25	20.00
SINGLE MIXED; all colors	2.00	15.00
DOUBLE MIXED; all colors	6.00	50.00
GLOXINIAS; choice mixed	4.00	30.00

WRITE US FOR SPECIAL PRICES ON ALL SPRING BULBS.

CLUCAS & BODDINGTON CO., 501 and 503 West 13th St., New York City.
Telephone Call 403 18th St.

Tuberose Bulbs WELL CURED, EXTRA FINE STOCK...

DWARF PEARL or TALL DOUBLE, per 100, $1.00; per 1000, $7.50
SPECIAL PRICES ON LARGER QUANTITIES.
Gladioli, Begonias, Lil. Auratum and Other Summer Flowering Bulbs, in full assortment. Send for Wholesale List, just issued.
W. W. BARNARD & CO., Seedsmen, CHICAGO.

NEW AMERICAN CANNAS
Our Novelties for 1898 Finest in the World....

	Per 12
Duke of Marlborough, dark maroon	$1.00
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Topaz, only absolutely large pure yellow	8.00
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Triumph, velvety scarlet, extra large	3.00
Cuba, largest and finest, gilt edged	8.00
Golden Pearl, nearest approach to double	6.00

CHAMPION, positively the finest scarlet, $5 each
KLONDIKE, immense pure orange gold $2.50 each
One of each of the above, including one Philadelphia $12
12 Other Novelties never before offered for $12.
Philadelphia, the best crimson scarlet, $2.50 per 12

SEND FOR PRICE LIST OF 250 VARIETIES OF CANNAS.

OUR CANNAS IN FRANCE.

To Messrs. A. Blanc & Co.
Your new Cannas of last year gave me much satisfaction. Please send me a complete set of your novelties for 1898 as soon as ready; also 12 more Crimson Giant, etc.
[Signed] Ch. Molin.
Lyon, France, Jan. 3, 1898.

ASPARAGUS SPRENGERII only 300 plants in 5-inch pots (ready for 8-inch), remaining, price, $5 per 12.
DAHLIAS 11 prizes at the last Dahlia Show, 1st prize Dahlia (best novelty), Gilt Edge, $15 per 100. We have all the latest novelties.
GLOXINIAS Best English Sorts, $3 per 100.
CALLAS Spotted Leaf, $3 to $5; Black Callas, $4; Yellow, $30 per 100; Golden, $2 each; Purple Fringed, $35 per 100.

A. BLANC & CO., PHILADELPHIA, PA.

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Collections, Credits, Etc.
271 Broadway, - - NEW YORK.

Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

FOR PRICES AND PARTICULARS
Address Luther Armstrong,
3720 Olive Street, ST. LOUIS, MO.

Carnations Chrysanthemums
New and Standard Varieties.
Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
Address
H. WEBER & SONS, Oakland, Md.

EVERGREENS
Specimens for Pots and Winter Decorations.
Send for Descriptive Catalogue and Trade List
SAMUEL C. MOON,
MORRISVILLE, - Bucks Co., - PA

Princess of Wales Violet

The Best Money-Maker Among Violets....



Very Large Flower
Stems Often 12 inches Long
Remarkably Free Bloomer
Color Fine Rich True
Violet Blue
Sweet, Lasting Fragrance (often lasting four days)

Retailed at Christmas for $10 per 100.

Splendid Keeping Qualities
Abundance of Foliage
Perfectly Healthy, while other varieties in same house are so diseased as to be worthless
Easily Propagated
It is a Bread Winner
Good Plants 2-inch Pots

$5.00 per 100

Ready March 15th.

J. A. PETERSON, 105 E. 4th St., Cincinnati, Ohio.

Too Pretty to Sell!

GERANIUM

..MARS..

2-inch pots, $1.00 per doz.
Cash with order.

HENRY EICHHOLZ,
Waynesboro, Pa.

AZALEA INDICA.

Fine, well-budded plants, all the best varieties, and will make fine plants for Easter Blooming.
10 to 12 inch Crowns, $3.50 per dozen.
13 " 15 " " " 5.50 "
Cinerarias, 5-in. bud and bloom, $1.25 per dozen.
Double Golden Dwarf Marguerite Cuttings, by mail, $1.50 per 100.

WHITTON & SONS,
Wholesale Florists, City and Green Sts., Utica, N. Y.

SUBSCRIBERS are reminded that they will materially advance the interests of their paper by buying supplies of the advertisers in the FLORISTS' REVIEW, always mentioning the name of the paper when sending inquiries or orders. : : : : : : :

ATTENTION!

Contracts made now for February-March delivery of fresh

...Latania Borbonica Seed...

FRESH ON HAND.	100	1000
Cocos Weddeliana	$0.90	$7.50
Asparagus Pl. Nanus	1.25	10.00
Pandanus Utilis	1.50	12.00
Latania Borbonica (Feb. 15)	.25	1.75

(Price includes delivery.)

CYCAS REVOLUTA.—We are the oldest firm in **import trade** for them. Take advantage of **special offers on early orders.**
Lilium Auratum, Rubrum, Album, etc., Iris K., Japan Maples, etc., for Spring delivery. Address

H. H. BERGER & CO.
Established 1878. **220 Broadway, New York.**

DWARF PAPAYAS.

MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

MARTIN BENSON, Dongola, Ill.

WRITE

R. & J. FARQUHAR & CO.,

SEEDSMEN,

16 and 19 South Market St., BOSTON,

For the Choicest and Best New Crop

FLOWER SEEDS.

NEPONSET PAPER FLOWER POTS,
PURE SHEEP MANURE, and all
Catalogue Mailed Free. **FLORISTS' SUPPLIES.**

Carnations.

Good Strong Stock at

Bottom Prices.

From Sand or Soil. Ready Now or Later.

Daybreak	$1.25 per 100; $10.00 per 1000.
Tidal Wave	$1.25 per 100.
McGowan	$1.00 per 100; $9.00 per 1000.
Wm. Scott	$0.75 per 100; $7.50 per 1000.

CASH WITH ORDER.

LAKE GENEVA FLORAL CO.,
Lake Geneva, - - - Wis.

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SPRINGFIELD, MASS.

Encouraged by the bright outlook—violets selling for $3 per 100, for instance—Aitkin & Son have purchased the Herrick property and will at once commence tearing down and rebuilding the same. The land consists of two acres, situated at a convenient distance from the center of the city, where the store is located. Upon the best site Mark Aitkin will erect his dwelling house, with barn, etc. Running back will be the range of 14,000 square feet of glass devoted chiefly to carnations and violets, with a house for palms. This will be, when completed this spring, one of the snuggest little ranches in New England.

W. F. Gale reports quite a sale at Christmas and New Year's. Business has calmed down somewhat, but is very satisfactory.

Charles Miller has taken to wearing glasses, although he says they are not needed to see those grand roses that A. N. Pierson is shipping him.

W. M.

LENOX, MASS.

On January 28th the Lenox Horticultural Society held its annual ball and thanks to the committee of arrangements was a very successful affair. The assembly rooms were very tastefully decorated with laurel wreathing and hemlock, with a wealth of bunting, including a valuable collection of silk flags of all nations; it being a very cosmopolitan affair this was very appropriate.

The following well known Lenox "craftsmen" were on the committees: Arrangement, J. F. Huss, E. J. Norman; reception, Geo. Thompson, Alex McConnachie, A. H. Wingate, James R. Paul, E. Jenkins, A. J. Loveless. The following visitors were present: Messrs. A. T. Boddington, W. A. Manda and W. Marshall, representing J. M. Thorburn & Co.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

Seedlings and Cions

APPLE GRAFTS Of Apple, Cherry, Pear and Plum

Low Prices. Send list of wants to

D. S. LAKE, - - Shenandoah, Iowa.

Vaughan, McKellar & Winterson,

WHOLESALE

FLORISTS SUPPLIES
FLORISTS SEEDS
SPRING BULBS

CUT FLOWERS.

All the leading varieties in Carnation Rooted Cuttings.

We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.

Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000 ..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000 ..... 12.50
Fine mixed Gladioli Bulbs, per 1000 ..... 7.50

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TELEPHONE 1496.

A. L. RANDALL



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.....that we are at the old number, 126 Dearborn Street. Write for special quotations on large orders.

Wholesale Florist.

W. E. LYNCH,

...Wholesale Florist...

The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices.

19-21 Randolph St., CHICAGO.

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Wholesale Cut Flowers

Consignments Solicited. Prompt Attention to Shipping Orders.

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ROGERS PARK FLORAL CO.

Wholesale Growers of

CUT FLOWERS.

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, - CHICAGO.

A. G. Prince & Company Agents for..... HINSDALE ROSE CO.

Telephone .....Main 3208

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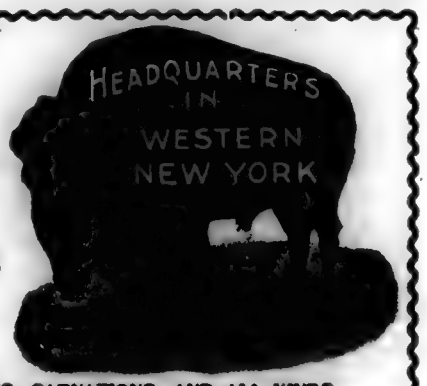
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GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

BOXES New Model, Practical Florists' Delivery Boxes

LIGHT AND DURABLE

Made of Wood and Lined with Oil Cloth

WRITE FOR PRICES.

G. MORIN, 125 W. 25th St., NEW YORK CITY.

IT'S A MISTAKE

TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up to date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

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E. H. HUNT

WHOLESALE CUT FLOWERS

SUPPLIES, SEEDS, TOOLS AND BULBS.

Seasonable Flower Seeds.

BEST STRAINS ONLY. SEND FOR PRICE LIST.

76-78 Wabash Ave., CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking Effect Feb.10 , 1898.

Subject to Change Without Notice.

We are headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary Selected Stock	per 100,	$1.50—2.00
Extra	"	3.00—
ROSES.		
Beauties, long	per doz.,	6.00—
" medium	"	3.00—
" short	"	1.25—2.00
Brides	per 100,	4.00—8.00
Kaiserin	"	4.00—8.00
Maids	"	4.00—8.00
Meteor	"	4.00—7.00
Perles	"	4.00—5.00
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum, short supply	per 100,	1.00—
Common Fancy	per 1000,	1.50—
Smilax	per doz, $1.25; per 100,	10.00—
Ivy Leaves	"	.50—
Galax	per 100, 15c., per 1000,	1.25—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
Fresh stock always on hand.		
MISCELLANEOUS.		
Marguerites	per 100,	.75—
Mignonette	per bunch of 25,	.50—
Callas	per doz.,	1.50—
Harrisii	"	1.50—2.00
Romans	per 100,	2.00—3.00
Paper White Narcissus	"	3.00—
Valley	"	2.00—4.00
Violets	"	.75—1.00
Tulips	"	3.00—5.00
Daffodils	"	4.00—
Freesia (extra select, stiff stem, finest in market.)		3.00—4.00

All other seasonable stock at market rates.

Special Attention Given to the Shipping Trade.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

ASTERS, VERBENAS ....AND PANSY SEED

Trauffauts Pæony-Flowered Perfection in separate colors; pure white, light blue, rose and white, and bright red. ¼ oz., 50c.; 1 oz., $1.50; or 1 oz. of the four colors for $5.00.

Princess or Snow Ball (Aster), pure white. ¼ oz. 75c.; 1 oz., $2.50.

Mammoth Verbena; 100 colors, mixed. ¼ oz., 30c., 1 oz., $1.00.

Mittings' Pansy, large flowering, choice. ¼ oz., $1.00; 1 oz., $4.00.

....PLANTS....

Alternanthera, Aurea Nana, and P. Major, 2¼ inches, strong, $2.00 per 100; $15.00 per 1000.

800 Robin Hood Carnation Cuttings, spare, strong and healthy; large scarlet at $3.00 per 100.

500 Mrs Chas. Duhme, at ..... $4.00 per 100

500 C. A. Dana, at ..... 4.00 "

2000 Wm. Scott, at $1.00 per 100, $7.00 per 1000.

5000 Coleus, 20 choice bedders, 2¼ inches, at $1.50 per 100.

Lycopodium Denticulatum. 2¼ inches, $2.00 per 100.

Our Growers' Trade List Now Ready.

The Morris Floral Co.,

MORRIS, ILL.

FERNS

In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

CHAS. T. DARLING,

Stony Brook, L. I., N. Y.

Always mention the Florists' Review when writing advertisers.

Two Superb Carnations

These are a continuation of our fine varieties—equal to Triumph, Jubilee, Flora Hill, for commercial purposes—You want good sized flowers, freely produced. Send for descriptions. **$10 per 100, $75 per 1,000**

PSYCHE AND PAINTED LADY

FLORA HILL Nothing in sight to touch it for commercial purposes..... **$5 per 100, $40 per 1,000**

E. G. Hill & Co., Richmond, Ind.

30,000 DAHLIAS.

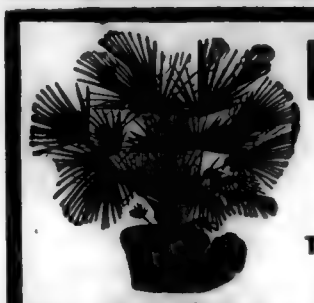
Before ordering your Dahlia Stock, be sure and send for my Catalogue.



Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

Box 382. **W. W. WILMORE, Denver, Colo.**

Always mention the Florists' Review when writing advertisers.



PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 1.00; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

CHAS. L. MARSHALL,

67 Merrimac St., - - Lowell, Mass.

BROOKLINE, MASS.

"I never did so much business on paper as during the past year," remarked James Quinn. All gilt-edged, but there's the rub, and it rubs some of the craft pretty hard, too. Mr. Quinn did a big thing in putting in an extra house of the Boston fern. There has been a large if not a larger demand for it than in previous years.

Miss Vass had a fine lot of poinsettias. Some by actual measurement from tip to tip were 17 inches across. T. O'Connor, of Providence, had the largest number I have seen in the east, but these were the finest.

F. E. Palmer was an unwilling prosecutor of his former clerk, who has just been committed to serve a sentence of five years for forging Mr. Palmer's name to a check. Mr. Palmer had previously overlooked several less serious acts upon his promise to reform. This happened at an unfortunate time, when business was exceptionally heavy, holiday trade with him being the largest on record.

M. B. Bunker disposed of 10,000 violets alone, by actual count, at his stands at the Parker House and the new palatial Hotel Touraine. While it could not be called a violet Christmas, Beauties, those which Philadelphia can grow, went fast, with carnations in their wake.

Azaleas grown by W. W. Edgar sold like hot cakes. He and Mr. Becker made a good double team, with Edgar slightly ahead in size and number, quality about the same. Mr. Edgar has a grand batch of longiflorums for Easter—two houses full. Among them are about 100 pots with seven and eight strong plants in a pot. How did you do it? Of course there were some diseased, but they are "out of sight." Ferns are being studied here. I noted particularly a bed of Adiantum cuneatum, cut over for holiday trade, throwing up another crop of higher fronds. Hydrangeas, acacias, rhododendrons are, with azaleas, looking fine, with promise of being just right at Easter.

Lilacs will not be overlooked. Fred Palmer will force quite a number for his store. Even if they do not sell as plants the flower is useful and highly fragrant, especially the kind Mme. Legraye, pure white; can be forced early, with plenty of foliage.

W. M.

WILKESBARRE, PA.

Ira G. Marvin has what might be termed a crystal store, having the whole panelled with plate glass mirrors. The effect is very striking and one seldom sees one's self so many times at once as in such a place. It is a Mecca for the gentler sex. Fine stocks are always kept on hand, supplied by additions made recently to the greenhouse plant.

W. M. Eldridge & Co. intend adding two houses to their plant. Business is reported by Mr. Humphrey as being very good.

W. M.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 WABASH AVENUE, CHICAGO, ILL.

Carnations, Violets and Valley, Specialties. Full Line of Wire Work.

LONG DISTANCE TELEPHONE EXPRESS 466.

WRITE US FOR ILLUSTRATED CATALOGUE.

WINTER & GLOVER

HIGH GRADE Cut Flowers

Properly packed and promptly forwarded.

FULL LINE OF WIRE DESIGNS AND FLORISTS' SUPPLIES.

21 Randolph St., CHICAGO.

REINBERG BROS.

500,000 FEET OF GLASS.

WHOLESALE GROWERS OF CUT FLOWERS.

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine AMERICAN BEAUTIES. Give us a trial and convince yourself.

Write for Prices on.... ....Rose and Carnation Rooted Cuttings.

51 WABASH AVENUE, CHICAGO.

HARDY ROSES, C. H. JOOSTEN, Importer, 193 Greenwich St., NEW YORK.

Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.

MOUND CITY CUT FLOWER CO.

Wholesale Commission Florists

1322 PINE ST. ST. LOUIS, MO.

Consignments Solicited.

Special Attention paid to Shipping Orders.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET

ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.



Rooted Cuttings.

We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them. Send in your orders now.

Roses.

Brides
Bridesmaids
Meteors
La France

$1.50 Per Hundred.

Do not write for other kinds for we do not grow them.

We shall have abundance of nice plants later in the season.

Asparagus Plumosus, 50c a string.

Carnations.

	Per Hundred	Per Thousand
Triumph	$3.00	$25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

Smilax, 10c a string.

BASSETT & WASHBURN,

Greenhouse and Residence,
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store . . 88 Wabash Ave., Chicago, Ill.
Long Distance 'Phone Main 223.

NEW YORK MARKET.

Week Ending February 5th, 1898.

Am. Beauty, fancy, extra, long stem, each	50c to 65c
Am. Beauty, extra, each	25c to 40c
Am. Beauty, culls and ordinary, per 100	3.00 to 10.00
Brides, 1st, per 100	4.00 to 8.00
Brides, 2d, per 100	3.00 to 4.00
Bridesmaids, 1st, per 100	5.00 to 8.00
Bridesmaids, 2d, per 100	3.00 to 4.00
Meteors, 1st, per 100	6.00 to 8.00
Meteors, 2d, per 100	2.00 to 4.00
Testouts, 1st, per 100	6.00 to 8.00
Testouts, 2d, per 100	2.00 to 4.00
Morgans, 1st, per 100	4.00 to 6.00
Morgans, 2d, per 100	2.00 to 4.00
Cusins, 1st, per 100	4.00 to 6.00
Cusins, 2d, per 100	2.00 to 4.00
Perles, per 100	2.00 to 4.00
Carnations, per 100	1.00 to 2.00
Carnations, fancy, per 100	3.00 to 6.00
Valley, per 100	1.50 to 2.00
Roman Hyacinths, per 100	75 to 1.50
Harrisii, per 100	8.00 to 10.00
Violets, per 100	.40 to .75
Paper white Narcissus, per 100	1.00 to 2.00
Cattleyas, per 100	25.00 to 35.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	2.00 to 5.00
Von Sions, per 100	3.00 to 4.00
Smilax, per 100	6.00 to 10.00
Asparagus, per 100	50.00
Purple Lilac	75c to $1.00 per bunch
White Lilac	$1 per bunch

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

Market has changed but little during the past week. Stock still continues scarce. Almost any price at times could be obtained for first-class Maids and Brides, nor does relief seem immediate. There is no doubt but that there is an immense crop of buds in sight, but the weather does not favor their development.

Old timers state that the last few weeks have made history and all agree that not for six years past has there been so long a continued period of shortage and a uniformity of price at as high a notch.

Bulb stuff has come to the rescue nobly and the combinations tulips have gone through with continues in short supply, though the little to have been a revelation to many. Adiantum still be had while short in stem is good in quality. Violets show a stiffening in price, that is, while quotations remain about the same. The bulk of receipts are cleared out at list prices.

It is a matter of importance to know that fern dealers east report stock of fancy common ferns to be lower at present than for several years past at this season. Those having contracts at reasonable rates probably have good reason to congratulate themselves.

DRACAENA GODSEFFIANA.

This new dracaena is now being offered by Sander. The foliage is described as a deep, polished green, heavily spotted and splashed with creamy white. The engraving, which is from a photograph, shows a very handsome plant, and it is said to be as tough as an aspidistra.

TROY, N. Y.—Mr. Jas. A. Fraser, formerly traveler for the Lovett Co., Little Silver, N. J., is now with the firm of Young & Halstead, seedsmen, this city. Young & Halstead are the successors of the Morrison & Westfall Co.

SELAGINELLA EMILIANA.

5,000 plants of the above for sale in good condition. 2½-in. pots at $4.00 per 100; 3½-in. pots at $8.00 per 100; 5-in. pots at $15.00 per 100.

WM. E. DOYLE,
(Formerly Hovey's.) 1500 Cambridge Street, Cambridgeport, Mass.

JOHN I. RAYNOR
FIRST-CLASS **Flowers**
IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.
49 West 28th Street, NEW YORK.

SAMUEL S. PENNOCK
Wholesale Florist
1612-14-16 Ludlow St.
PHILADELPHIA, PA.

CUT ORCHIDS OUR SPECIALTY.....
We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.
MacDONALD & McMANUS, WHOLESALE FLORISTS,
50 WEST 30TH STREET, NEW YORK.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

PALM SEED
A List of All Varieties upon Application.
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ROSE HILL NURSERIES,
JUST ARRIVED!
COCOS WEDDELIANA,
$7.50 per 1,000; 5,000 lots, $36.00.
SIEBRECHT & SON, New Rochelle, NewYork.
New York Office, 409 Fifth Avenue.

5,000 Smilax From flats, by mail, 50c per 100, $1 per 1,000; from 2-inch pots, $1.50 per 100, $13 per 1,000; from 3-inch pots, $3 per 100. Send for samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.

Always mention the Florists' Review when writing advertisers.

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ALWAYS OPEN
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Wholesale Commission Florists,
48 W. 29th Street, NEW YORK.
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WHOLESALE CUT FLOWERS,
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Original Headquarters for CARNATIONS.

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WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

GALAX LEAVES AND LEUCOTHOE SPRAYS--- GREEN AND BRONZE.
Of all wholesale florists—or write the introducer for free samples and information.
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EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send for Illustrated and Descriptive Price List of Evelina and Other Novelties.

R. WITTERSTAETTER, Sedamsville, O.

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

..PALMS..

Areca Lutescens, Cocos Weddeliana, Kentias Belmoreana and Forsteriana and Latania Borbonica.

For prices see page 413, Jan. 27th.

JOSEPH HEACOCK

Wyncote, Phila., Pa.

Rooted Cuttings **Ageratum Monstrosa.** A dwarf variety with blue flowers of enormous size. The greatest improvement of the age in this popular flower. 40c. per doz. by mail, $1.50 per 100 by express. **Petunias,** double, $1.25 per 100. **Petunias,** double, 2¼-inch pots, $3.00 per 100. **Harrisii Lilies,** surplus stock, just right for Easter, in 5½ and 6-inch pots. Out of pots $18.00 per 100.

WM. M. KIDD, 2984 Atlantic Ave., Brooklyn, N. Y

DREER'S SUPERB

..DOUBLE FRINGED PETUNIAS..



FOR thirty-five years we have made a **specialty** of the **PETUNIA.** This year we again offer a set of fifteen varieties, unsurpassed either in this country or abroad. The plants are well established in three inch pots, full of vigor, and will furnish quantities of cuttings in a short time.

These plants must not be compared in price with rooted cuttings or plants just potted off. The set is composed of the finest colors, especially suited for the retail trade. $1.00 per doz., $8.00 per 100. The set of fifteen varieties for $1.25.

Double Fringed Petunia Seed, our own saving, 75c. per 500 seeds; $1.50 per 1000 seeds.

HENRY A. DREER, PHILADELPHIA, PA.



Facts more eloquent than words,
C. S. A. awards highest of the year.
New York 95 points.
Boston 94 points.
Chicago 93 points.
Philadelphia 89 points.
First prize, white, in strong competition at Boston and Philadelphia shows, and certificated wherever shown.
The ideal commercial and exhibition bloom.
Price, 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand.
Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

PEACOCK'S
Prize Winning DAHLIAS.

ALL THE NEWEST AND BEST VARIETIES.

Wm. Agnew, intense red, 7¾ in. across. **Clifford W. Bruton,** purest yellow, 6¾ in. across. 36 1st prizes. Three dozen. 36 1st prizes.
Largest and Finest Collection in America.

300,000 Field Roots. 1000 Varieties.

NOTE.—Our Dahlias have been exhibited in competition with **all the leading growers** and **always** carried off first honors.

Our 1898 illustrated descriptive Trade List containing 24 pages, many new illustrations and accurately describing all the newest and best varieties, will be sent to all who received our 1897 list without application.

Send for it before purchasing elsewhere.

W. P. PEACOCK, Atco, N. J.

FOR SALE!

A few thousand Dormant Scions of Brides and Maids at $1 per 100. Also full detailed description of our successful and inexpensive methods of grafting sent by mail for 25c. Address

F. E. PALMER, Brookline, Mass.

STANDARD
FLOWER POTS..

In any quantity, and of the best quality.
Get my price list before ordering elsewhere.

W. H. ERNEST,
Station M, N. E. WASHINGTON, D. C.

LONDON, ONT.

An Exciting Election.

The London Horticultural Society held its 31st annual meeting on Jan. 19. It was no love feast, as the operations of this society are in name only, it being used as a stepping stone to the Western Fair Association, and being practically the nucleus for that association. Considerable enthusiasm was manifested in the election of officers, particularly when politics were introduced. Everything went smoothly until it came to the election of first vice-president. Each party had come prepared to elect their man, neither party objecting to the mode of procedure until the scrutineers rendered their decision, then a first-class row started. The chairman was unequal to the occasion, and at one time it looked as if a free fight would take place. During the confusion the balance of officers and board of directors were re-elected. They immediately adjourned and the defeated party then held a meeting and elected a set of officers and board of directors to suit their political slate. Writs have been issued to set aside the election and in all probability a costly law suit will be the outcome.

Messr. Gammage & Sons Entertain.

Messrs. Gammage & Sons entertained their employes to a supper on the 3rd inst., some twenty sitting down to a well laden table. After doing justice to the good things provided short speeches were in order, when Mr. H. Taylor, in a few brief words, presented Mr. and Mrs. Wm. Gammage with a beautiful marble clock as a token of the esteem in which they are held by the employes.

The weather, well, the weather man has been around here, too; 12 degrees below is the coldest recorded, but that with a strong wind is cold enough to suit most florists.

Trade still continues good, using up everything as fast as it is offered.

Mr. F. Dicks will shortly retire from the management of the London Floral Co. W. G.

...BAKER'S...

NEW CARNATIONS

Grown and Tested Five Years.

ONEIDA pure pink, no trace of purple, rust proof, perfectly healthy, good grower, continuous producer, blooms of largest size.

RED JACKET bright red, of largest size, healthy, no rust, continuous producer, long stiff stems, never bursting calyx.

$10.00 Per Hundred.

Orders booked now to be shipped in rotation as fast as rooted.

CHAS. F. BAKER, Utica, N. Y.

SIMMONS'

New Light Colored CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM
104 South 13th Street, Philadelphia.

FIREFLY!

A Rust-Proof Carnation for Business.

Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.

Geo. Hancock & Son, Grand Haven, Mich.

SMILAX FINE STRINGS 12 1-2 CENTS

A. J. BALDWIN, Newark, Ohio.

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices.

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

ROOTED CUTTINGS.

ROSES.

Bridesmaid, Brides, Perles, La France, Meteors, Kaiserin	$1.50 per 100, $12.50 per 1000, Cuttings. Fine rose plants from 2½-inch pots ready February 15th.

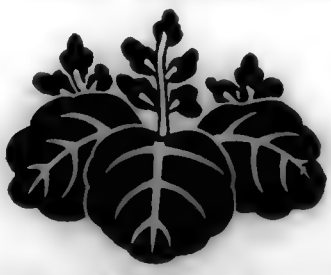
CARNATIONS.

William Scott, Mrs. Thompson, Nancy Hanks, Tidal Wave, Portia, Lizzie McGowan, Kohinoor	$1.00 per 100. $7.50 per 1000.
Flora Hill	$4 per 100; $35 per 1000.
Emma Wocher, Meteor, Goldfinch, Lizzie Gilbert, Harrison's White, Bridesmaid	$1.50 per 100. $12.50 per 1000.
Nivea	$3 per 100; $25 per 1000.
Jubilee	$2 per 100; $15 per 1000.

No order for less than 100 of one variety accepted.

REINBERG BROS.,
51 Wabash Avenue, - - - CHICAGO.

FOR THE TRADE ONLY.

TRADE  MARK

We import all kinds of Japanese Bulbs Plants and Seed, and have our own Nurseries and Farms in Japan. We expect large shipments of Lilium Auratum, L. spec. album, rubrum Melpomene, Cycas stems and Maples. Prices on application.

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No. 15 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

Seed Stores and..... Flower Stores

Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.

The WALKER FERTILIZER CO.
Clifton Springs, N. Y.

NATHAN SMITH & SON,
WHOLESALE FLORISTS
SPECIALTIES: ADRIAN, MICH.
Chrysanthemums, Carnations and Violets.

Correspondence solicited.

Carnations

New Carnations---------

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

New Pink Carnation Mrs. Frances Joost

Seedling from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most prolific bloomer. It makes in a short time a fine bushy plant, and has the form and habit of what carnation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower erect without tying of any sort. Calyx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. All orders filled in rotation. As the sale of the stock of this Carnation will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

Price, $2 per doz.; $10 per 100; $75 per 1000.
Cash with Order.

C. BESOLD, ...MINEOLA, LONG ISLAND, N. Y.

KATHLEEN PANTLIND DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

INSURE AGAINST FIRE IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y, Fort Wayne, Ind.

BEGONIAS.

	Per 100
Ricinifolia, 2½ inch	$3.00
Alba Picta, 2½ inch	2.00
M. de Lesseps, 4 inch	8.00
Argentea Guttata, 4 inch	5.00
Argentea Guttata, 2½ inch	2.00
Rex (in variety), 3 and 4 inch	6.00
Standard Varieties, 2½ inch	2.00

Stock sure to please. Cash with order.
GEO. L. MILLER, Newark, Ohio.

REED & KELLER,
122 W. 25th St., NEW YORK CITY.
Manufacturers of and Dealers in **WIRE DESIGNS FLORISTS' SUPPLIES**

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

COUNCIL BLUFFS, IA.

During a recent visit to Council Bluffs I was much attracted by the beautiful stores of J. F. Wilcox and McPherson & Reed, which are located on the most prominent street of the city. After visiting the stores, which are a pride to the owners as well as to the city, we took a stroll to the greenhouses. Both establishments are close together and well situated for greenhouse purposes. Stopping at Mr. Wilcox's houses first, I must say his place is a model florist establishment. His range of new houses are all filled with the leading varieties of roses and carnations, and are in as good a condition as I have ever seen, especially his American Beauties, which are a pride to the owner as well as to his help.

I next visited the houses of McPherson & Reed, where I found their elegant place in perfect condition. Their stock shows up in excellent shape, their Meteors being especially fine. Also an elegant bunch of Lilium Harrisii and callas. Both parties were very much pleased with their holiday trade, and look for a big increase in business this season on account of the Trans-Mississippi Fair. J. J. H.

KANSAS CITY, MO.

Trade in cut flowers the past two weeks has been very good, especially so in funeral work, all having lots to do. The man with glasses seems to have lost his hold. Stock is very scarce, especially American Beauty.

Plant trade is exceedingly good, azaleas, cyclamens and freesia going very nicely with now and then a palm and an araucaria.

The new license ordinance, taxing greenhouses $25 a year, is going to be defeated if possible. A few of the craft here are well up in politics and those headed by E. F. Brown (who may run for alderman himself in the spring election) are getting an ordinance into the council to save us each $25, and we all live in hopes.

Geo. M. Kellogg, of Pleasant Hill, in town for the first time in six weeks, reports demand far in excess of supply. S.

The WM. H. MOON CO.
Morrisville, Bucks Co., Pa.

Offer for Spring 1898, an immense stock of

DECIDUOUS TREES, EVERGREENS, FLOWERING SHRUBS and VINES

In great variety, of all sizes. We note especially

12,000 **Dahlias**, whole roots.
10,000 **Ampelopsis Veitchii.**
10,000 **Clematis Paniculata.**
20,000 **Wichuriana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama**, new climber.
5,000 **English Ivy**, long tops.
25,000 **Honeysuckles, Matrimony Vines, Wistarias**, etc.
100,000 **California Privet**, 1 and 2 years.

Trade List on application. Correspondence solicited.

M. RICE & CO.

...IMPORTERS AND MANUFACTURERS OF...

Florists' Supplies

CYCAS LEAVES, IMMORTELLES,
WHEAT SHEAVES, our specialty. BASKETS OF ALL KINDS,
"VIOLET HAMPERS" entirely new.

Prices on Application.... 25 N. 4th St., Philadelphia, Pa.

BEFORE DECIDING On Trial Novelties, Learn All About...



ILLUSTRATED PRICED CIRCULAR, WITH FULL DETAILS, FREE.
.....APPLY TO ABOVE ADDRESS.....

KLONDIKE Gold Fields at Your Door.

GERANIUMS grown in soil in flats, ready to shift into 3-in. pots, $15.00 per 1,000. S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Van Dale and Robt. Brett: the same in 2½-in. pots, $20.00 per 1,000. Standard sorts, such as Double Grant, Bruantii, La Fayette, La Favorite, Le Pilot, Glorie de France, Hoff Beach, Wonder, Mrs. J. M. Gaar, Jules Ferry, Centaureau, and others, $12.00 per 1,000; in 2½ in. pots, $18.00 per 1000. Mountain of Snow, in 2½-in. pots, $2.50 per 100. Mme. Salleroi, in flats, $1.25 per 100; $10.00 per 1000.

DOUBLE PETUNIAS. Dreer's strain, from flats $1.50 per 100; $12.00 per 1000.

ROOTED CUTTINGS. Vincas, variegated, $1.50 per 100; $12.00 per 1000. Anthemis Coronaria, Double Golden Marguerite, $1.50 per 100. Salvia Splendens, $1.00 per 100. Coleus, assorted, 2-inch pot, $15.00 per 1000; rooted cuttings, $4.50 per 1000; C. Verschaffeltii, Golden Queen, $18.00 per 1000; rooted cuttings, $6.00 per 1000.

Ageratum, blue and white, 75c per 100, $6.00 per 1000. Fuchsias, the standard sorts, $1.50 per 100, $12.00 per 1000. Feverfew Little Gem, $1.00 per 100, $9.00 per 1000. Selection of sorts to remain with us. Cash to accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

GOOD STOCK!!

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (3-in.), $20 per 1000.

GENISTA RACEMOSA, 4-in., fine stock, $10 per 100. STOCK A NO. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, Ohio.

LILY OF THE VALLEY

Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Verbena, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

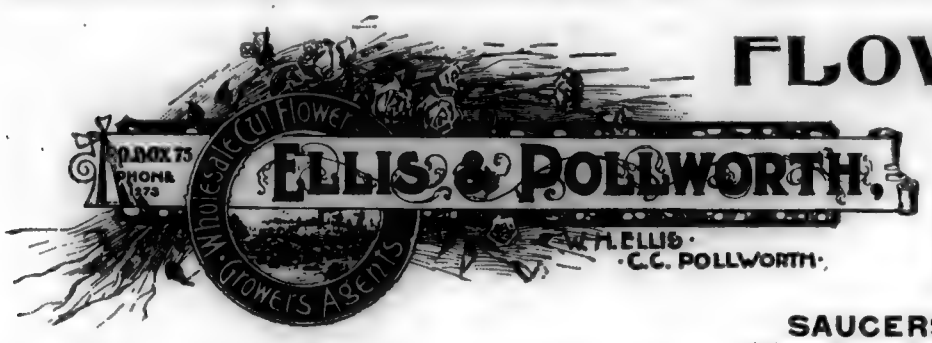
C. LENGENFELDER, Lincoln & Berteau Aves.
Station X. **Chicago.**

Geraniums. October Struck

2½ in. in best named varieties; in flats in best named varieties; rooted cuttings of Geraniums, Heliotrope, Salvia, Petunia, Coleus, etc., grown only on contract. Write for prices.

GEO. W. GASKILL,
212 North Tod Avenue, - Warren, Ohio.

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FLOWER POTS

Now is the time to get your Spring supply.

STANDARD POTS

Height and width inside.

		Per 1000			Per 1000			Per 100
2	Inch	$3.50	4	Inch	$ 7.50	9	Inch	$ 7.00
2½	"	4.00	5	"	12.00	10	"	8.75
2½	" 3 in rose	4.50	6	"	19.50	12	"	18.00
3	"	5.00	7	"	43.00	15	"	40.00
3½	"	6.00	8	"	60.00	17	"	60.00

Special Prices on Large Quantity or Car Load Lots.

SAUCERS.

Plain or Fancy Saucers.

4	Inch Saucers, per 100	$0.50	9	Inch Saucers, per 100	$2.50	6	Inch Fern Dishes, per 100	$3.00
5	" " "	.75	10	" " "	3.00	7	" " "	3.60
6	" " "	1.00	12	" " per doz	.70	8	" " "	4.20
7	" " "	1.25	15	" " "	1.50	10	" " "	6.00
8	" " "	2.00	17	" " "	2.00	12	" " "	8.00

FERN DISHES.

(Earthenware.)

Wholesale Dealers in all Florists' Supplies, and Growers of Palms and Ferns.

ELLIS & POLLWORTH, Milwaukee, Wis.

Experiences With Carnations

The next number ready March 1st, will be cultural as well as descriptive, and sent free to all applicants

I Guarantee all Cuttings sent out and offer a Special Guarantee to all buyers of

FLORA HILL and TRIUMPH.

ALBERT M. HERR, - Lancaster, Pa.

LAGER & HURRELL

Growers and Importers of



ORCHIDS

Correspondence Solicited

SUMMIT, - - N. J.

...CHEAP FOR CASH...

	Doz.	100
Vinca Variegata, 4-inch pots, extra strong	$1.00	
Canna Mad. Crozy, Strong divided roots		$ 2.00
Amaryllis Johnsonii, Good blooming bulbs	1.25	10.00
Richardia Alba Maculata, 2½ to 3 inches diameter, extra		3.50
2 to 2½ inches diameter, good		3.00

H. T. & A. H. FUNNELL, Huntington, N. Y.

NEW CARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $40 per 100.

Send for Price List of Standard Sorts

WM. SWAYNE,

Box 226. Kennett Square, Pa.

. . 5000 Rooted Cuttings Sold and Delivered of . .

TAILBY'S

New Scarlet Carnation **Wellesley.**

The most brilliant colored and Prolific Carnation of the day. Unequalled for constitution and habit of growth, stem and calyx, flowers measuring from two to two and one-half inches across. It is endorsed by the leading Boston Florists. The blooms sold for eight dollars per hundred, wholesale, at Christmas.

ROOTED CUTTINGS NOW READY.

Price, $2 per doz.; $10 per 100; $75 per 1000.

FOR SALE ONLY BY

J. TAILBY & SON, - - Wellesley, Mass.



"THEY'RE BIRDS"

HEADQUARTERS FOR

DOVES

See that my signature is stamped on every Dove.

S. J. Russell.

203 Summit Ave., JERSEY CITY, N. J.

GEO. A. RACKHAM, Detroit, Mich.

Wholesale grower of Carnations and Small Ferns.

Rooted Cuttings of Carnations:

New—Mayor Pingree, Victor and Flora Hill, per 100, $5.00, per 1000, $40.00; Jubilee and Emma Wocker, per 100, $3.00, per 1000, $25.00; Meteor and Tidal Wave, per 100, $2.00, per 1000, $15.00; Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50, per 1000, $12.00.

All well rooted. Satisfaction guaranteed or money refunded.

Rooted Carnation Cuttings

Lizzie McGowan, $1.50 per 100; Daybreak, $2.00 per 100; Wm. Scott, $1.50 per 100; Albertini, $1.50 per 100; Alaska, $1.00 per 100; Bridesmaid, $2.00 per 100; Rose Queen, 1.50 per 100.

M. A. HUNT FLORAL CO., Terre Haute, Ind.

ELMIRA, N. Y.

At time of my previous visit, and when making notes of an interview with Grove P. Rawson, I made a sad blunder in mentioning violets and can only attribute the error to my dull ear, which misconstructed the word "Lulu" into Waterloo. Remembering that the great Napoleon met his defeat upon that historic battlefield, I associated the Napoleon of violet growers with the immortal French emperor. I have confessed and am forgiven and am happy in the consciousness that I did not shift the blame upon the shoulders of some unseen individual in the composing-room, but faced it like a man.

Being pressed for time on this trip I was unable to visit the houses, but, piloted by the able manager of the store, Mr. Durand, dropped into the cellar adjoining the store, and which has recently been renovated. This is really an immense natural refrigerator and a splendid place to keep the cut flowers as sent from the houses for own use and for shipping purposes. I saw part of one day's cut and noted Brides of pearly whiteness, Bridesmaids of a lovely blush, Perles of a deep golden shade, Gontiers a fiery red, grand stock all, and understand such has been produced right along. Meteor used to be grown, but has been dropped for some time. Mr. Rawson intends trying it next season, having now a suitable spot for it.

Violets are very rich. I noted at Hoffman Bros. as pretty a lot as one could wish to see; healthy, profuse, fragrant and of an intense blue. Roses now off crop, but have been all that could be desired, and will be all right for Easter. W. M.



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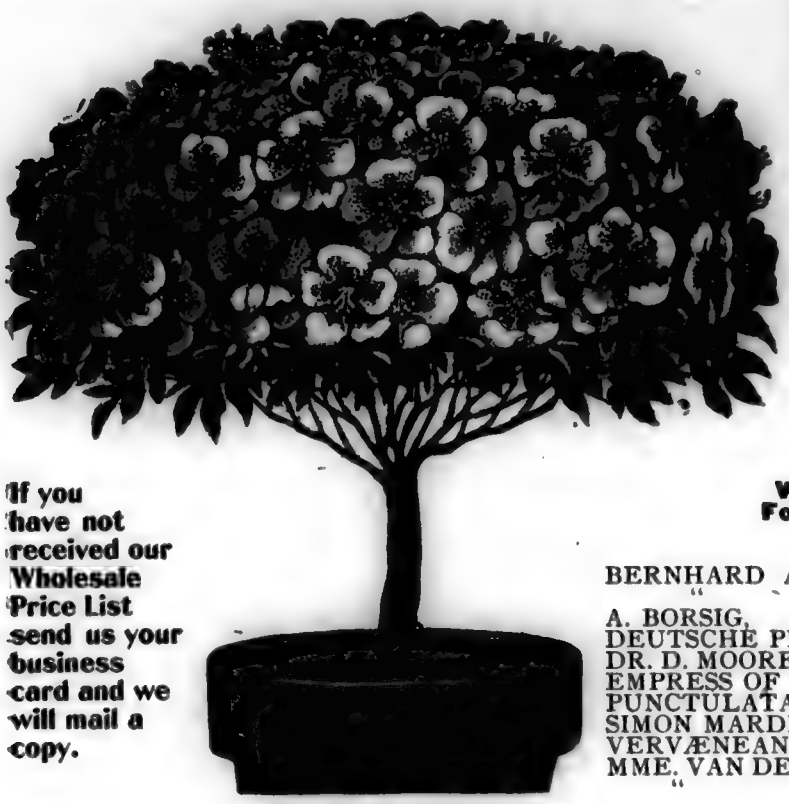
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MANITOWOC, WIS.—The case of the International Trust Co. against the Albert Landreth Seed Company, which was heard before the present term of the Circuit Court, was decided in favor of the defendants.

GUTHRIE, OK.—On Jan. 24 a heavy hailstorm wrecked the Capital City greenhouses and the greenhouses of Florist Webb.

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THE WEEKLY

FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. 1. CHICAGO AND NEW YORK, FEBRUARY 17, 1898. No. 12.



CARNATION JUBILEE.

Photographed by J. Horace McFarland, Harrisburg, Pa.

CARNATIONS

AMERICAN CARNATIONS.

Just at this time when the air is full of carnation talk and convention topics the eye intuitively surveys the whole carnation field, takes retrospective glances down "the vista of the years that have passed" and incidentally reviews the past once more in the light of present day wisdom to measure the extent of progress. And what a forward march of progress it has been. Within a comparatively limited number of years we have seen evolved a race of carnations peculiarly and truly American, a race showing marked distinctive features when brought into comparison with other types prominent in the great carnation family in those countries where for centuries it has been a cherished flower. I said for centuries because there are records to show that the carnation was cultivated in England during the reign of Edward III. (1327-1357), and you may see beautiful carnations portrayed in some of the flower pictures of the early Dutch painters. But European carnations are for the most part summer varieties, and although they have a winter flowering race called "tree" or "perpetual blooming carnations," it is not of such relative importance in sustaining the love for and popularity of the flower. Here the conditions are exactly opposite. It is as a winter flower that the carnation has won the affections and the lasting regard of thousands.

All along the carnation has shown an amenability to development along divergent lines, hence the many types or forms in cultivation in the old world, hence also the possibility that after 500 years we should see originated here a race that has no exact counterpart elsewhere and meets our necessities to the fullest degree by adapting itself to different conditions climatic and otherwise. Burns, in one of his poems, asks that some power might be given us to "see ourselves as others see us." Just now, then, in this season of mutual admiration of the race of American carnations it might be advisable to find out how others see them.

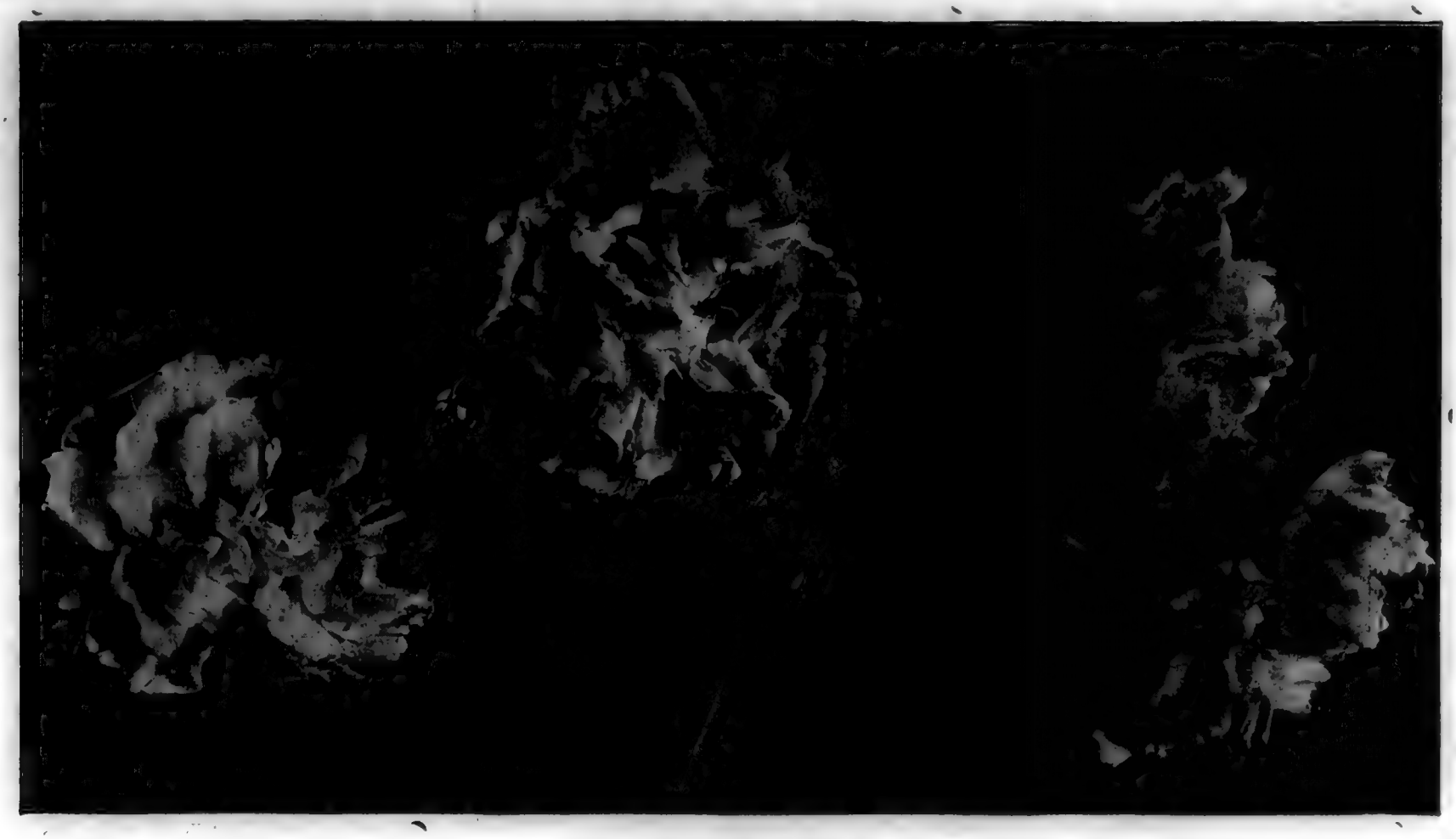
Referring to a paper I read at Madison on carnations, and which was printed in the London Garden last August, a large carnation grower remarked in a subsequent issue: "The article is interesting from an American point of view, but it is not very practical for this country, as the type of flower that is admired in America is totally different from that which we consider beautiful here. Take any of the best American carnations, they have all papery petals with the roughest possible edges; they are most of them, it is true, nicely scented. If an amateur wishes to please his own fancy only, he may, of course, indulge in American or raw-edged varieties to his heart's content, but should be wish to be successful in the exhibition tent it is imperative that he discard anything of this sort. He must see that his flowers are perfect in form; that the petals lie flat all round with perfectly smooth edges; that the calyx is unsplit; that the colors are bright and that the stems are strong and able to support the blooms, etc. * * * * * * Amateurs may, however, take this as a golden rule that it is of no earthly use their placing any American or rough edged flowers in their show stands in any high class competition, for the judges simply ignore them."

In other words to the above—No Americans need apply for recognition at the court where the carnation sits enthroned across the water. But will this vision of our carnations as others see them bring gloom and sorrow to those who have labored so well over here? I think not. The only regrets will be of a sympathetic kind that our friends across the water cannot see farther. The above quoted remarks were not allowed to pass unchallenged in the pages where they appeared. We see the essential requisites of a carnation detailed and how do ours compare with them? Flowers should be perfect in form, stem self-supporting, colors bright, calyx unsplit (although one-half the English carnations are tolerated with split calyces), but herein alone we differ; the petals must be smooth edged and flat before the varieties can hope for recognition from the powers that be or that claim to set the national standard of form. The serrate-edge is the bugbear of carnation societies in England and I know only too well that the judges ignore them, having been a victim on more than one occasion, and been passed for exhibits distinctly inferior but "correct" in form.

The absurdity of all this is the more apparent when you look into the history of carnations. In the pictures before mentioned you see fringed flowers



New White Carnation Evelina.



Carnation Flora Hill.

Photographed by J. Horace McFarland, Harrisburg, Pa.

alone and if you go right back to the wild single carnation, as it grows even today on ruined castles in Normandy, you will find that its petals have the same characteristic serration. Latter day developments have made it possible to have two such distinct types of flower, and the trend of progress in American carnations is in the same direction; witness some of the newer varieties, Alba superba, Glacier, Mrs. James Dean, etc., but I hope the day is very far distant when the American Carnation Society will take a ridiculous and indefensible stand, and declare one type of flower correct, the other incorrect, and publish a standard of type so closely drawn as to destroy individuality of variety, creating instead a form for all, with about as many lines of beauty as there are in those floral enormities a little skill can carve out of a cabbage stalk.

The previous remarks notwithstanding, I will assert that if American carnations would only do as well in England as they do here, they would be welcomed by thousands who have gardens and grow their own flowers, and they would find a ready sale in the markets. Lack of sun in winter will, however, always operate to their disadvantage during that season and render impossible results that will bear any comparison with what is achieved here, since as before said climatic conditions were a potent aid in developing the race of American varieties.

With a record to date of continuous advancement, in what direction shall we look for further future progress? Were there ever more candidates for election to position on the scroll of fame than this present season and how many of them will be growing a decade hence? Yet there is room and scope for further achievements and a possibility that this year or next or the following may be written in scarlet or gold with special significance, conspicuously prominent upon the roll of records. A commercial red or yellow comparable with the best in other colors that we have today would surely make a banner year of the year that saw its birth. We shall not be striving after the impossible, and it seems strange that up to date a good all round red has not appeared, because, at any rate, among European carnations red is quite a predominating hue. That a pure yellow is lacking need not occasion so much surprise for it is past history and present day experience that constitutional delicacy has some mysterious affinity or connection with the possession of this color. There are now, however, on the other side a few really good yellows and though not belonging to the winter flowering class they ought to be of service, and possibly in the course of several generations, enable us to fill the vacant niche. They are on this side now in the hands of one or two of the most reputed raisers. Casting up the total of gains that belong to the past the volume of them is encouraging, inspiring to greater endeavors in a future full of bright prospects.

A. HERRINGTON.

Madison, N. J.

CARNATION NOTES.

New Varieties of 1897.

Mrs. George M. Bradt.—I said in my last notes that perfection has not been attained yet; there is yet a wide field for improvement. The improvement accomplished in some points tends to emphasize the deficiency in others, shows more plainly the often inharmonious construction of a variety, and led onward by our sense of the beautiful, we feel the necessity to bring about harmony. So this variety, too, lacks in some very essential points. But of all the varieties grown and sent out by us, none has given me more satisfaction than this variety has. It is a type of its own, possessing properties not equaled by others.

This variety is the result of a cross between a dark pink seedling noted, No. 17 (92), in my books, and Mme. Diaz Albertini. The parents of No. 17 (92) were Mrs. Reynolds and a scarlet seedling, No. 36 (90). So I may say the parents known are Mrs. Reynolds and Mme. Albertini. The light and dark pink changed to white, the color of one of the parents of Mrs. Reynolds, and the scarlet of the scarlet seedling mentioned above cropped out in the scarlet stripes.

Striped varieties have always been looked upon as unprofitable to grow, except in limited numbers to supply the demand for such blooms. This variety seems to be an exception, for the happy combination of its color, white and scarlet, has captured the flower

loving public. It has charmed me in the same way, for had it not been for the color I would have discarded it the first season of its blooming, as my description of this variety will show.

The first bloom that appeared on the seed plant showed up fine, but possessed a weak stem and had a slight inclination to burst the calyx. All the rest that followed went hopelessly to pieces, but that cheerful color seemed to influence me to give it a second year's trial. The second year showed a very marked improvement, the rather compact habit changed to a little more spreading, the flower stems appeared stronger, and about half of the blooms did not burst. These non bursting blooms were of somewhat larger size than the others; that is, the petals grew longer and lost some of the crowded and twisted appearance. This improvement in the setting of the petals seemed to save the blooms from bursting.



Mrs. Geo. M. Bradt.

The bursting blooms still produced did not deter me any longer from giving it further trial, and my expectations were surprisingly fulfilled. The bursting blooms disappeared almost altogether, the stems gained in strength, the blooms showed a marked improvement in size and form, by expanding the petals more freely, and, best of all, it assumed a freer disposition to bloom.

Now let us look at the plant as it appears to-day. The young plants in the field assume a rather upright growth, but the weight of the strong, heavy branches will soon spread them. And now appears a fault in the habit that is rather provoking. Strong branches, pulled over by their weight, break off completely when switched by the wind or handled carelessly in topping or lifting. This appears when stem and branches become woody. It seems the branches increase in thickness without increasing in adhesion to the stem. Careless handling and storms often cause severe loss, but when once safely housed all danger of breaking is over, and, strange to say, with the softer inside growth the branches seem to adhere better.

The foliage is strong, hard and heavy, and of that dark bluish color indicating health and resistance to disease. Exposed to rust, where other varieties susceptible to this parasite would soon be affected, this variety remained free. Now, I will not maintain that it is rust proof, for I have said before that I consider such an assertion absurd, but so long as it receives a culture conducive to health, it has ten chances to one of remaining free from this disease. It seems comparatively free from other diseases, save in isolated cases, which is the case with almost every variety.

I have said once before that this variety is entirely free from cropping. I repeat it again, and in this respect it possesses a property not equaled by any other variety, to my knowledge. It commences to bloom early, and when once fully established on the bench, there is not a portion of the plant that can be called unproductive. The young shoots, not over numerous, mature quickly and produce a bloom; there are no idle shoots lingering on the plant; all is business. Therefore the plants are never seen full in the body, like other varieties, and for this same reason cuttings appear scarce, and never in large numbers at one time. This variety blooms now for the fifth year, and for the last three years it has proven the same even bloomer, producing flowers of the same quality from early to late, slightly increasing in productiveness as the plant gains in size. Inferior blooms are very scarce on our benches, which was likewise the case in former seasons. We kept careful count of our cuttings last year from the 1st of November to the 1st of May, and it shows nearly an even number for every week, slightly increasing up to April, when it dropped off on account of the cuttings taken from the plants for propagating purposes. Its character is set, and I believe there is no danger of deterioration, unless when mistreated or neglected.

From the above one might infer that I wish to say that this variety is one of the freest bloomers in cultivation. True, it is very free in its way, but numerically, to make a comparison, Scott will furnish about double the number of flowers to a plant. These large blooms take longer time to develop, and the smaller number of larger flowers per plant is equal to any other variety in weight.

There is one unfavorable point to mention, and this is, the disproportion between stem and the matured bloom. Strong and heavy as the stem appears, carrying the nearly open blooms erect, when fully grown these very large and full blooms become too heavy, and often the stem has to bend under its full weight. But the improvement in this line has in the past years been so marked that more can be expected in the future. The calyx is an inheritance from its parent Albertini. Fragrance is slight, often hardly perceptible. The general form and setting of the bloom is original and not found in any of its ancestors; if there is any fault to mention, it is the fullness of the blooms; anthers and pollen are rather few; pistil is of a peculiar form, branching often like an elk's horns.

There is yet a rather agreeable feature to mention, and that is its inclination to sport to a solid scarlet, the color of the stripes. These scarlet blooms of the same form and finish appear often here and there, and are of considerable interest. I will try to obtain a few of the scarlet variety this season, if that color can be set and made permanent. The free appearance of these sports gives me the impression that it may as easily revert to the original and not prove constant, but it is always worthy a trial, as these scarlet blooms have so far attracted a great deal of interest. Everybody who grows this variety has the chance to make the trial, as they are as likely to appear in a dozen plants as in a hundred.

Not without faults, this variety is



growing in favor all over the country, and as there have no unfavorable reports come to my knowledge, I flatter myself with the hope that it will be grown as universally as Wm. Scott.

FRED DORNER.

A CARNATION INTERVIEW.

Our interviewer recently called on Mr. C. W. Ward, Queens, N. Y., armed with a complete supply of interrogation points. The following is a record of the points and the answers kindly given in response:

"Do fancy carnations pay?" "Yes, like everything else, if done properly, and you have a large city trade that has been educated to paying fair prices for the newer and fancy varieties. They have paid better this season for the reason that the retailers have caught on to the fact that a 3-inch carnation that will keep four or five days, and which costs rather more to produce that a good rose, is worth as much as the rose, and prices which the grower receives have correspondingly improved. But in smaller towns, and for people of moderate means, the standard varieties that bloom profusely must be the standbys. These conditions will, however, gradually change as large flowered varieties that bloom more freely are disseminated and as the leading florists in the smaller towns educate their customers to prefer the larger and better blooms."

"If a fair question, what is the average price you receive for your carnations?" "A little better than $4 per 100."

"Do carnations pay at $1 per 100?" "Not from my standpoint. I should expect at least an average of $2 per 100 for growing such sorts as Scott, Alaska and McGowan, if disbudded."

"Does it pay to disbud carnations, say the ordinary varieties?" "It does not pay to do anything else."

"Does it pay to grade your flowers?" "Yes and no. By that I mean that all grading should be done on the plant. When you disbud, cut out all weak growths, and all your flowers will then be good enough to put into one grade, and if you grow the right varieties properly that grade may well be called fancy."

"What is the highest price you receive for blooms during the season?" "$8 to $10 per 100." "And the lowest?" "Generally $2, in early fall, when stems are short on first crop."

"Does soil in different sections have any effect on varieties?" "Decidedly."

"What do you consider the best soil?" "A good, stiff, sandy loam, for average varieties. There are two varieties of poor soils, a very stiff clay and a very light, sandy one."

"How can you improve these poor soils?" "In the stiff clay soil you can add sand or rotted sod or light, strawy manure, and the sandy soils can be improved by adding clay and heavier soils. For outside it requires a coat of five inches thick of clay over a light soil, and ploughed in."

"Do you believe in fertilizers?" "Yes, decidedly, if used with care and judiciously."

"What do you recommend?" "Horse, cow or sheep manure, rotted sod, bone dust, ammonia, charcoal, common salt as a top dressing, and Canada ashes (the two last named should not be used in the greenhouses), potash, nitrate of soda, night soil, guano—all these latter to be diluted with water."

"Kindly give me some of the formulas for using the above different fertilizing agents." "We have no formulas. We watch the plants, and when



White Cloud.



New York.

they seem to be in need of something to eat, we give them a top dressing of sheep manure, sometimes horse manure, sometimes a little bone dust. Again, if above are lacking, we use manure water, and that can be made from almost any manure, provided you don't get it too strong. Carnations are great tea drinkers, but they don't like whisky or brandy. It is strictly a temperance plant."

"Do you advise planting in the house direct, or from the open ground?" "Yes and no. It depends on the variety and location. Buttercup, Jubilee, Eldorado and those varieties that are injured or checked by lifting should be planted in the house about the first of June, but Scott, McGowan, White Cloud, Flora Hill, Mrs. Bradt, New York, John Young, Mrs. James Dean, Maceo, are all grown in open ground with us, and lift in fine shape."

"Is it necessary to have a ball of soil when lifting your plants?" "Not in our soil."

"What distance apart do you usually plant your carnations in the house from the open ground?" "Twelve by ten inches."

"What distance when planted in the house direct—that is, from small pots?" "Same distance."

"What supports do you use, if any?" "Wire netting, with the Dorner system of wire and string overhead."

"What temperature is best for carnations?" "This may be divided into three sections, according to variety. For example, Daybreak, White Cloud, Lily Dean, Mrs. G. M. Bradt, do well in an average temperature of 48 to 50 degrees, and you get stiff stems. William Scott, New York, Flora Hill, Mrs. James Dean, Maceo, John Young and varieties of that type, 50 to 52 degrees. Buttercup, Bon Ton, Eldorado, Maud Dean, Mme. Diaz Albertini, Storm Queen, and varieties of this type, 52 to 56 degrees. Yellows, even higher, with an average rise for sun heat during the day of 10 to 15 degrees applied to all."

"What house do you recommend for carnations?" "An even span running east and west, about 22 feet wide, so as to allow three 4-foot benches with paths round each bench not less than 2 feet; the path should also be between the side of the house and the bench."

"What is the ideal carnation you are striving for?" "A perfect flower, four inches across, perfect calyx and color, stiff, erect stem three feet long, and to produce forty flowers to the plant during the season, thirty to be produced during the winter and to sell at $2 per dozen wholesale."

"What are your ideas about ventilation?" "Give all the ventilation you can, without checking the plants."

"What varieties will you grow next year?" "Pink: New York, Mrs. James Dean, Mrs. Frances Joost, Argyle. White: John Young, White Cloud, Flora Hill. Yellow: Gold Nugget and an unnamed seedling of my own. Scarlet: Bon Ton and two unnamed seedlings of my own. Crimson: General Maceo and two unnamed seedlings of my own. Variegated: Mrs. G. M. Bradt and a variegated William Scott. I shall grow Mr. Dorner's seedlings and many other varieties advertised, for trial."

"What is the cause of carnations going to sleep?" "Hard to enumerate all the causes. Lack of proper food, growing them too warm, overfeeding, overwatering and underwatering, are all causes of carnations not keeping."

THE CARNATION FROM THE COMMISSION MAN'S STAND-POINT.

By Mr. Flint Kennicott.

(Read before the Chicago Convention of the American Carnation Society.

Mr. President, Ladies and Gentlemen of The Carnation Society:—Through Mr. Rudd, Mr. Herr has requested me to make a few remarks from the Commission Man's standpoint upon that most beautiful and useful flower, of the genus dianthus, but to the trade more commonly know as Carnation Pink, and in all commission houses simplified to C. P. I am not in the habit of writing papers and these few remarks will be but a rubaboo or mixture of ideas. Of course, you are all carnation growers, but my few remarks will be made from the standpoint of a commission broker of cut flowers.

In my opinion, if you are growing for the trade, you should confine yourself to carnations only, with as few side issues as possible, and of C. P. not too many varieties, say 5 or 6 and not over 8 varieties at the most, and grow only such as you can do well. Discard all others, unless grown for experiment or pleasure. Your merchant wants a number one, "bang up" stock, with large, perfect flowers and long, stiff stems, with good foliage. Such he can sell to best advantage. In my opinion, straight colors, clear and pure, are best to grow—white, pink in shades, red in shades, and yellow. There are many good whites, and white C. P. are always staple, more so than any other color; so give a good share of space to the white or whites that you can grow best. A good white or two you must have. They should be pure white and good large flowers on long, stiff stems. The day of short stemmed carnations is past. The customer wants them long. For design work, he picks them off himself. It is very seldom now that short C. P. are asked for and then it is only by some back number who is still in the woods. After white, the best in demand are the different shades of pink—dark, medium and light— represented by Tidal Wave, Scott and Daybreak; with intermediate shades, but, to sell well, they must be distinct in color. No mongrels need apply. In red, the very dark magenta shades, such as Old Sport (not the "old sport" who sells chewing gum and is a well-known character in Chicago streets, but the old, blackish C. P.), Prince of Morocco and others of the same ilk are

not in demand, excepting for entertainments of certain college societies and as colors of football and baseball teams, but of a good red C. P. we are much in need; one the same shade as Portia, with just as long a stem but stiffer, and of the same keeping quality, with twice the size of bloom, and one that is as free a bloomer. Of course, there are Jubilee, Meteor, Morello and many other fine reds, but they are so scarce you cannot get them when you want them or sell them at listed prices when you have them, as they must be classed as fancy, with a fancy price, or the grower will be left. Now, what is wanted is a good, large, dark red, something better than Portia, that can be sold as first-class with good whites and pinks, etc.

Yellow is still a novelty. No merchant can quote it as he does white, pink and red and be sure he can get them. There is no doubt that if a free blooming yellow could be found and produced freely enough so your merchant could depend on it, it would find a ready sale at prices above all other colors, but I have never known the time when I could promise 1,000 yellow carnations one day in advance, no, not fourteen days. Now, in white, pink and red, I will promise you 100,000 in





Mrs. James Dean.

fourteen days, if price is satisfactory. So, I class a yellow C. P. as a novelty until one of you gentlemen will grow one that will bloom as freely as the old DeGraw.

As to the variegated carnations, such as Helen Keller, Mrs. Bradt and many others, they are also novelties, and though to my taste, they are very beautiful, still, as your merchant, I will say that, commercially they are worthless, except as a novelty. They are seldom asked for and when they do find a market it is through a forced sale, due to chance. Excepting in a house devoted to your own pleasure, I would advise growing very few variegated C. Ps. Clear colors are what "knock!"

Now, gentlemen, your merchants are not idiots, although a few of them may appear a little "daffy." They do not expect you can grow every flower to perfection, but they do expect that you can separate the perfect from the imperfect blooms and bunch them separately and even make a third class, if necessary. Carnations should be tied 25 in a bunch. Four bunches will then make 100 and your merchant sells all his goods by the hundred and he trusts to his grower's count. In the Chicago market, the growers are all known by number and a customer soon learns the number of the grower who produces the stock he wants. He naturally buys stock from the lots in which he has found 25 perfect flowers to the bunch and will ask for that grower's number next time; so, for your own sake, as well as that of your merchants, be sure there are 25 perfect blooms in every bunch. No matter how scarce flowers are, do not count short. Put in one extra rather than one short. Many growers have yet to learn that six bad ones or even sixteen are not equal to one good one, so never put a "ringer" in your bunch, for the customer who buys 100 first-class carnations of your merchant expects to get 100 and will make no "kick" if there are 101 first-class ones, or he will say nothing if there is an extra two or three, but, if for the 100 he gets 92 that are perfect and 8 that are "ringers," gentlemen, "the fur will fly." An extra one or two should really be included in the bunch to allow for an occasional broken neck.

Put your second-class stock in separate bunches and your merchant will

take care of it, but never mix any of your seconds or rubber necks with your firsts, and, if you have any thirds, send them along, unless you are short on fertilizers. May be they would help out on commission and express, but never mix them with your first-class stock. One "ringer" will kill the entire bunch.

I want to say a few words regarding the naming of C. P. It is a bad mistake that some of you make in naming your C. P. after staple roses, such as Meteor, Bridesmaid, etc., and it causes your merchant much confusion. Thus, an order comes for "one Perle, one White Carnation, half Meteors, half Maids." Your merchant has to be a mind reader to know whether roses or C. P. are wanted. On last two mentioned, I have known more than one mistake to occur. And a carnation "by any other name would smell as sweet," wouldn't it?

Ladies and gentlemen, regarding the bunching of C. P., I am going to make a few illustrations. Here is a bunch of 26 good C. P., tied as they should be, even heads, with each individual flower showing; also showing every stem of equal length; that is as it should be. This one is not. It is tied all wrong. But, may be, the grower had a reason; let us cut it open. What! 28 carnations! O generous man! But, hold on; see, here are three dead "ringers" and two short stems. His generosity is misplaced. The ringers, alone, would kill the bunch, even had there been 25 good ones. But two are short, and do not count. The bunch has only 23 carnations in it. Register another "kick" for your tough merchant. No. 1 is the way to do it; No. 2 is the way not to do it.

Now a word as to pickled stock. The experience of years ought to teach every grower that pickled stock does not pay, but at every holiday the mistakes of the previous year are more or less repeated in this respect. It will invariably prove the most profitable to you as well as most satisfactory to your merchant and his customer to keep sending your flowers in as fast as they are in proper condition for market. Pickled stock always results in loss to the grower, trouble for your merchant and dissatisfaction to the buyer. I cannot emphasize this fact too strongly. The grower who pickles stock is invariably working directly against his own best interests.



Carnation Victor.

SECRETARY'S REPORT.

Mr. President and Gentlemen of The Carnation Society:—Your secretary reports having issued the reports of last meeting in due time and sending them to all members who were not in arrears for dues.

There are on the books Feb. 1st ninety-four paid-up members. The revenue derived from these will not pay the running expenses of the society and there is room for considerable missionary work by these ninety-four members.

Every year the mail matter of this society gets heavier. The past year there was not less than three hundred parties outside of the society who wrote your secretary on matters pertaining to the society, and it remains for the society to say whether or not they will be burdened with postage (which has not been charged up in the past, but which your secretary believes will reach $10 the coming year) or whether the secretary shall not recognize such letters from parties other than members.

Respectfully submitted,
ALBERT M. HERR, Sec'y.

CARNATION VICTOR.

"To the victor belongs the spoils," and to carnation Victor belongs the credit of being one of the finest pinks of its own peculiar shade in the market.

Mr. Hugh Graham discovered it about four years ago. It is a sport from Daybreak and has all the good points of this variety without any of its bad ones. This is not its initial appearance; "it has been tried and not found wanting." It has color that is at once pleasing and desirable, a beautiful soft pink that you find sometimes in hollyhocks, deepening to the center. The flower is large, with a fine long, erect stem. The plant is a free flowerer, but not a cropper, and is clean and free from rust. What more could be said about a carnation?

Mr. Graham has been unusually lucky with sports (though he is far from being one himself). His chrysanthemum Philadelphia and its yellow sport Pennsylvania, will and have sustained the reputation of this grower, of which he is very jealous, for he would rather "dump" a variety than disseminate an unworthy or useless one, an example that is indeed better than precept.

B.

VIOLET NOTES

It is now time for those who did not save fall-rooted runners for stock to think about next season's supply. For myself, I would not think of planting divided old crowns, as so many advocate. Perhaps it is all right for those who succeed, but personally I want none of them. Give me a thrifty, stocky young runner, rooted quickly and kept in a cool, healthy growth.

Care should be taken in cutting the runners, and your self personally, or your very best help, is none too good to do this work, as there are always a good many plants in a house which you should not propagate from under any circumstances; plants that have grown under unfavorable conditions,

and again those which have a tendency to go more to runners than flowers; others again which run to small flowers; some to slim stems, and so many of such things that a successful grower notes, as he picks his flowers and works among his plants. The fact is, that, to a certain extent, the careful grower feels that his stock to work from (or, rather, the stock he prefers most to propagate) is quite limited.

I think one of the reasons that we find so many growing violets with so little satisfaction can largely be laid to the door of hurried, careless propagation. In cutting the runners for the propagating bed, do not make them too long, as is frequently the temptation; one joint below the end is ample, otherwise the roots will be far away from the plant, and you will find it detrimental in the dry, hot summer weather, if not before.

You will find a few sufficiently rooted to prick out in flats (or pots, as you may prefer), as soon as taken off, but the most of them will have to be placed in a well firmed propagating bench of coarse sand, with a moderate bottom heat, but plenty of fresh, cool air overhead. Keep well sprayed with cool water, and you will be surprised at the rapidity with which they will strike root.

Do not let your spring work cause you to neglect to remove them from the bench as soon as they are struck, or else they become starved, getting hard and yellow, and stunted in their beginning, with the result that they are never what they should be, neither will they give the proper results. Of course they must be shaded for a few days after pricking out, and given plenty of cool, fresh air. Care must be taken also not to allow them to dry out and wilt, or they will lose all their vitality, and you will have to start with a new batch.

R. E. SHUPHELT.



House of the new Pink Carnation, Mrs. Francis Joost, at Mr. C. Besold's, Mineola, N. Y.



ROSE NOTES.

Propagating.

It is an excellent time now to propagate your rose stock for next summer's planting. As is well known I am not a professed professor on roses, growing but one or two houses, but in rooting them I have been uniformly successful and can see no reason why anyone should fail. Remember, if your stock is weakly, without vigor, and you have reason to complain with truth that your roses are a failure, then don't perpetuate your own stock. It will pay you a hundred fold to buy good, strong, healthy stock of a man who has grown fine roses. Give him what he asks for good stock; two cents on a 3-inch pot plant, may seem a consideration if you are buying a thousand, but it is nothing; one good bud on each plant will make it up three times over. I find a tea rose, particularly in January, February and March, takes in a bottom heat of 65 degrees and the house about 50 degrees, 18 to 25 days to root, and we do not lose more than we do of ageratum, which is none.

There is great difference of opinion about the size of the cutting, or rather the number of eyes. Every cutting should have two eyes, and if good wood was in abundance there would be no objection to three eyes, but two will do. Cut just below the eye and strip off the leaf, leaving the top leaf intact, or if that is very large, the top lobe of that can be cut off. I saw a bed of rose cuttings a few days ago that was fearful to behold. If half the cuttings had been pulled out the sand would have still been invisible. If fungus, rot and everything else does not get into that jungle it will be marvelous, and it was a place where they have been trying to grow roses for the past 7 or 8 years. You can put the cuttings fairly close, as you would anything else, but leave a little space for daylight and air.

When they have made a root of half an inch they should be potted and given the same temperature, or a little higher than the house they have been rooted in. This potting them just as soon as rooted is a good rule for most all cuttings, but particularly is it for roses, as the roots when allowed to grow long in the sand grow wiry and useless, and when an inch or so long easily break off when removing them from the sand.

The much discussed question whether a cutting should be taken from a blind shoot or the flowering shoot, is perhaps not yet settled to the satisfaction of everybody. There is a wide difference between qualities of blind wood. If it is stout and firm it is just as good as the wood from a flowering shoot, but if spindling and weak it is not fit to use for future stock. It seems that a man should know by instinct when the wood is in the proper condi-

tion to make a cutting. It must not be soft and brittle, as you would take a verbena, nor yet hard and woody. When the bud is about to open the wood is in the right condition, and blind wood can be judged accordingly.

If water passes freely through your propagating bed you can water daily, but in dull weather, and fire heat, not excessive, once in two days will be ample. When you do water the bed do it thoroughly. WM SCOTT.



EARLY PROPAGATED CARNATIONS.

In the fall I recommend the taking of a thousand or two carnation cuttings, either from plants in the field or from those lifted. We have two uses for these early struck cuttings. A thousand, say in four varieties, which with me are Daybreak, Scott, Portia and Alaska, p'anted out early and pinched but once, will begin to flower the latter part of July, and from that on till hard frost kills them, and you can well afford to lose them, for you will pick great quantities of good flowers from the field, and they are worth disbudding and trying as much as those indoors. You may think you can get a better variety than Portia, but you could not for the purpose. Small as it comes inside, it is very early and a fine flower outside.

The other purpose is that no plant is more asked for by your patrons every spring than a carnation that will flower during the summer. People are tired of asking for such an article, for the great majority of florists have nothing satisfactory to offer. If you propagated these in September, they should now be sturdy little plants and want a 3-inch pot, and be topped once. Another style of carnation plants that suits your customers finely is the small one left in the field after the houses are filled. A few hundred of these in variety, lifted at the end of September, well pinched back, potted into 5-inch pots and plunged into a cold frame, are wintering finely. It has been such a strange and largely open winter that there has never been a week that you could not freely ventilate one or more days a week, which has been of the greatest benefit to them, and when the weather will admit of it, ventilation should be given in abundance, not only to those, but to all plants that are wintering in frames.

Dahlias.

There seems a revival of interest in dahlias, and they are deserving of it. Too many people, even alleged florists, plant them out with no more care than they would a salvia. Their summer growth and culture I will endeavor to tell you about later. To increase your stock is now of most importance. If you have any roots lifted last fall and stored in a cellar where you could keep potatoes (which suits them admirably; cool, but not half a degree of frost), bring them up, place an inch of soil on the bench and put the entire roots on it, scattering some earth over the roots, but not covering deeply. They will send up a number of shoots, which, when three or four inches long, root freely. You can put them in 2-inch pots singly with a little soil at the bottom of the pot and plunge in propagating bed, or you can insert them in the sand in the ordinary way. Be sure to cut these dahlia cuttings just below and very near a joint. In most cuttings this is of no consequence, although just as well with all, but in dahlias it is most important.

Geraniums for Easter.

All kinds of plants, both cheap and expensive, are called for at Easter, and among them a few zonal geraniums in 4-inch pots. Select a few hundred of the early flowering ones, put them into a 4-inch pot and give them a light, warm house, and they will have a flower or two by Easter. Give them a much warmer place than you do your main stock of these useful plants, and near the glass, which means as much light as possible.

Easter Stock.

How do we look for Easter? I can't see yours, but I have studied my stock quite anxiously the past twenty-four hours. As remarked a month or two ago, cytisus must be kept near the freezing point for a few weeks or it will be too early.

If the lilies are showing clearing their buds when you read these lines, you are safe in a terperature of 60 degrees at night, but nothing to spare. Much will depend on the weather, but be safe, oh! be safe. Running it so close is nonsense. Have a good week to spare, and don't forget your patrons want the lilies full out. Save all the diseased ones to feed the next drummer who wants to sell you sound (?) bulbs.

The Bottle Brush plant (metrosideros) is coming on nicely at a temperature of 50 degrees. You can't get them to flower all at once, and it does not like sudden forcing.

Azaleas are going to be full early, excepting late sorts, like Emperor of Brazil. You can do much to retard them by a temporary shade of cloth or paper on sunny days and opening the ventilators above whenever possible. The azalea is a plant that the public exercises a little brains over, and prefer them not too full out.

WM. SCOTT.

OUR GENERAL INTRODUCTION.

No. 6.

Every subscriber is requested to send his photograph (cabinet size preferred) for use in our general introduction, but please do not send us photos that must be returned, as we have to cut them in arranging the groups.

168. A. H. Hews, No. Cambridge, Mass.
169. Emil Buettner, Park Ridge, Ill.
170. Wm. N. Reed, of Reed & Keller, New York.
171. S. Keller, of Reed & Keller, New York.
172. W. J. Vesey, Ft. Wayne, Ind.
173. Chas. A. Samuelson, Chicago.
174. Mrs. Theodosia B. Shepherd, Ventura, Cal.
175. Mrs. Arthur Lee, Riverhead, N. Y.
176. Mrs. Eliza A. Cooper, Maroa, Ill.
177. A. Mitting, Sec. and Manager Morris Floral Co., Morris, Ill.
178. James Morton, Clarksville, Tenn.
179. Chas. T. Siebert, Pittsburg, Pa.
180. W. J. Palmer, Sr., Buffalo, N. Y.
181. Chas. Krombach, Brooklyn, N. Y.
182. Wm. Tricker, Riverton, N. J.
183. John Dowsett, Roslyn, N. Y.
184. E. Banyard, Sr., Clementon, N. J.
185. E. Nagel, of E. Nagel & Co., Minneapolis, Minn.
186. C. Humfeld, Clay Center, Kan.
187. Thos. Johnston, Providence, R. I.
188. Robert F. Tesson, St. Louis.
189. Geo. W. Pool, Jr., Gloversville, N. Y.
190. Peter De Pew, of De Pew Bros., successors to Tunis DePew, Nyack, N. Y.
191. G. Indermuhle, Portland, Oregon.
192. E. Wienhoeber, Chicago.
193. Denys Zirngiebel, Needham, Mass.
194. W. L. Morris, Des Moines, Ia.
195. Geo. Smith, Fall River, Mass.
196. Wesley B. Leach, of J. & W. Leach, Borough of Queens, New York City.
197. C. B. Tremain, Oconomowoc, Wis.
198. Wm. Warner Harper, Chestnut Hill, Philadelphia, Pa.
199. Felix Gonzalez, of F. Gonzalez & Co., San Francisco, Cal.
200. J. A. Raiptunger, Great Barrington, Mass.
201. S. Williams, Montreal, Canada.
202. B. Willig, Poughkeepsie, N. Y.
203. W. Bay, Titusville, Pa.



OUR GENERAL INTRODUCTION. No. 6.

PHILADELPHIA.

Stock—Prices.

The cut flower market was in a more satisfactory condition during the week just ended, Feb. 7 to 12, than during the three previous weeks. Stock which was almost unaccountably scarce in certain lines, for the lack of sunshine and being off crop, hardly seemed to explain the declination of produce noticed in many cases, became more plentiful and resulted in a more satisfactory filling of orders, the demand remaining about the same.

The stock offered is pretty well cleared up each day, excepting the poorer grades and certain lines of bulbous flowers, notably valley and Von Sion. Prices are as follows: Beauties, extras, which are in rather short supply, $7.50 to $9 a dozen; good medium, $4 to $6; short, $1 to $3; Brides, Maids, and Meteors, a few specials bring $12, good stock $8 to $10; seconds, $6; Perles, $4 to $6. The Brides have sold about as well as the colored varieties, which was not the case earlier in the season. Carnations, a very few fancy sorts, seedlings of especial merit, are held at $4. They have large flowers and stiff stems that hold the bloom perfectly erect; good flowers of fancy sorts bring $2.50 to $3.

Valley goes slowly at $1 to $4. Romans are more plentiful, and bring $3 to $4. Tulips are good and not very numerous, but there are quite enough for the demand. La Reine brings $3; when well colored with pink, it sells best. The other sorts, yellow and scarlet, bring $4. California violets, 25 to 50 cents per 100; double, 50 to 75 cents; a few very fine, $1. Freesia bring $2, and double daffodils go slowly at $3 to $4.

There are growers who will read some item in the above list with a sigh or a groan. To them I add that our stock is so perishable that the least accident or a bit of carelessness will make these prices unattainable, to say nothing of the possibility of an absence of buyers when most needed. An uptown store had a large jar of nice looking Scotts in the window during the week marked 20 cents a dozen. It is hardly likely they cost the proprietor $1.50 a 100.

Special Plant Sales.

The plant trade in the stores is rather quiet just now. The storekeepers believe it is made so by the special sale of palms which took place at John Wanamaker's large department store recently. The firm offered an Areca lutescens, three plants, 24 to 30 inches high, in a 6-inch pot with a jardiniere, for $1.25, and it was claimed had sold 2,500 of them. The plants were of the 50-cent grade, and could undoubtedly be bought for less money in thousand lots. The jardinieres were supposed to be worth 30 cents; 60 to 75 cents each would therefore be a fair guess as to the cost of this merchandise offered at $1.25, which approaches very closely to the margin of profit which the regular retailers consider their legitimate due. The plants seen at Wanamaker's were not what any one familiar with our business would consider a good investment, many of them being in condition most unlikely to give the buyer satisfaction.

The retailers are very sore over these special sales, believing their business is thereby injured. I am disposed to adopt their view, but from different reasons. It seems to me that the putting of large quantities of stock, such as I saw last week, on the market will deter many would-be buyers of plants in the future. Rightly managed, I think it is an open question whether these special sales are not of benefit to the trade at large. They undoubtedly take some customers from the regular retailers for the time being, but they create a love of, and therefore necessity for, plants, which will prove of benefit to the retailers ultimately, for these are only special sales, and every other variety of plant offered was marked at a good stiff price.

Suppose a busy man or woman—thousands of them pass daily through the large department stores—fancies one of these palms with vase and takes it home. If it does well, is not he or she almost sure to want another for a friend, or to ask some question about its needs, and, the special sale being over, and the counter filled with, shall we say, laces, will not he or she naturally go to a regular florist, and, rightly managed, is not a new customer made in many cases? This view is for the retailer only, ignoring the grower's side of the question. I sincerely hope the matter will be freely discussed in the columns of the Review. J. W. Y.

CHICAGO.

Club Meeting.

At the last meeting of the Florists' Club, though not many retailers were present, there was a very interesting and instructive discussion upon the various phases of the retail business. The discussion covered a wide field and became especially vigorous over the question of pickled stock at the holidays. The committee of arrangements for the convention of the Carnation Society reported the details of their work up to date. Two new members were elected.

At the next meeting of the club, Feb. 24, Mr. J. T. Anthony will read a paper on "How to Market Cut Flowers."

The Market.

Market conditions have changed but little. The shortage of roses continues. There seems to have been some increase in the supply, but the demand is still in excess of it. Bulb stock is plenty.

Various Items.

A banquet with covers for 1,200 people was given at the Auditorium Hotel the evening of Feb. 12 (Lincoln's birthday) by the Marquette Club. The speakers included ex-President Harrison and Secretary Gage. The decorations were by Mr. P. J. Hauswirth, and were very handsome. On the speaker's table appeared numerous plateaus of the "Novelty" tulip arranged with ferns, while on all the tables were scattered flowers of the same tulip and Scott carnations. No less than 2,000 flowers of the "Novelty" tulip were used. The effect was admirable.

Mr. O. P. Bassett, of Bassett & Washburn, spent a few days at West Baden, Ind., early in the week.

Mr. G. H. Pieser, of Kennicott Bros. Co., left last Saturday for a two weeks trip through the south.

Bassett & Washburn are cutting some very fine Harrisii lilies and have a large crop coming on.

The Executive Committee of the Hort. Society of Chicago has adopted the premium list for the annual exhibition next November, and the preliminary printed list will soon be issued.

Dan McRory, representing W. A. Manda, South Orange, N. J., was a recent visitor.

BOSTON.

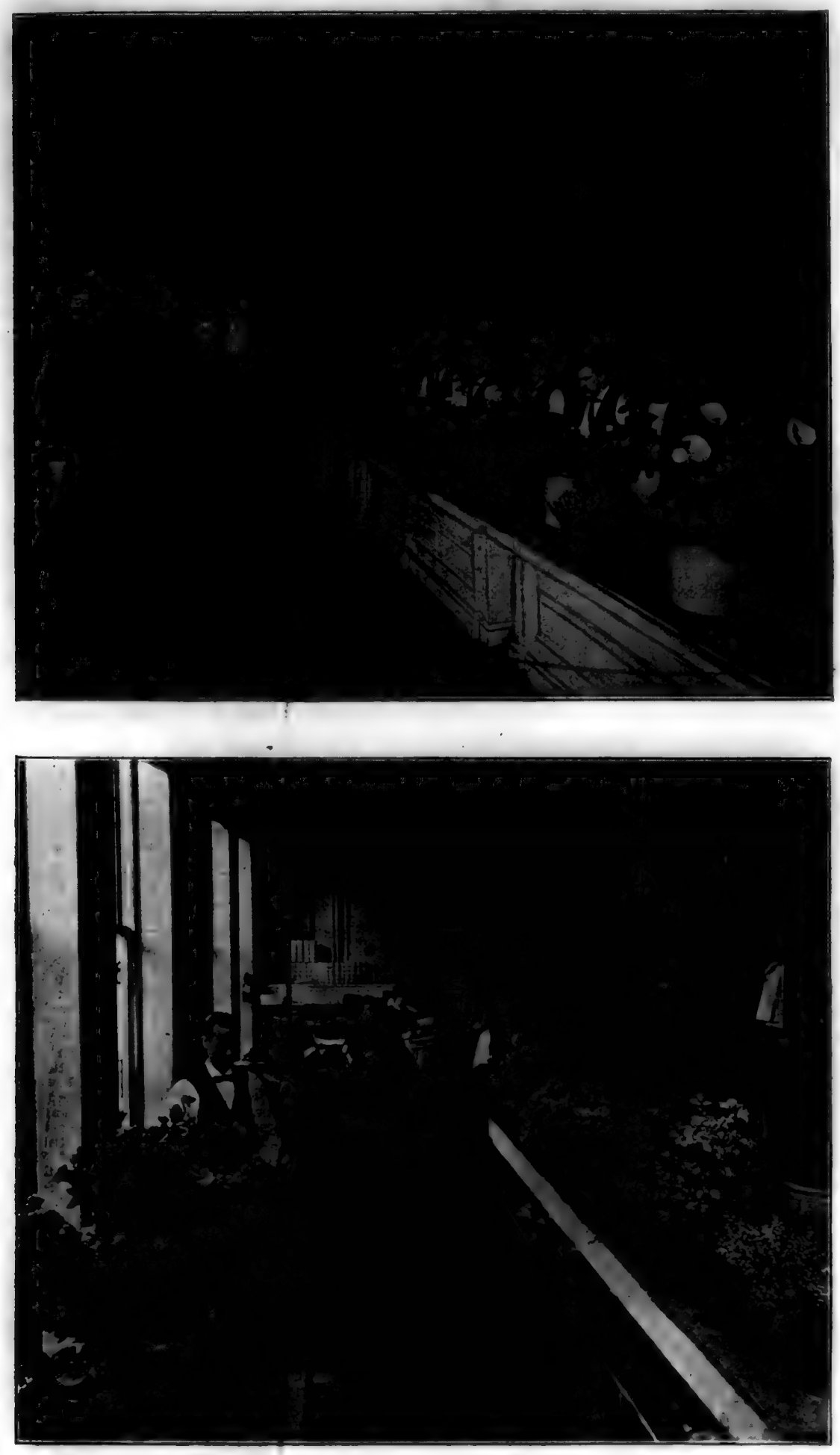
Club Meeting.

The postponed meeting of the Florists' and Gardeners' Club was held Tuesday evening. The question of the annual dinner was discussed and it was finally decided to lay the subject on the table for an indefinite period. The club then enjoyed a lecture by Mr. Robt. Farquhar on "The Great Northwest, Oregon, Washington, and Indian Life on the Pacific Slope," which was supplemented by 130 beautiful stereopticon views. It was a most enjoyable and instructive trip upon which the audience was taken by the lecturer, and at its conclusion a unanimous vote of thanks was tendered him.

Mass. Hort. Society.

At a meeting of the Executive Committee of the Mass. Hort. Society on Feb. 7, the desirability of looking for more commodious premises was considered. It is said that favorable consideration was given to a new location for erecting a new building that will be large enough to avoid crowding at exhibitions as often happens at present, the structure to contain offices, lecture rooms, etc., in addition to exhibition halls. The plan contemplates the disposal of the present building, which is now far too small for the needs of the society.

The weekly exhibition last Saturday was rather small and owing to the inclemency of the weather was only moderately attended. Mr. James Comley, superintendent of the Hayes Estate, Lexington, came out with quite a large exhibit of camellias in about 50 varieties, Coelogyne cristata, Begonia fulgens and Cypripedium insigne, for which he was awarded a gratuity prize. Wm. W. Lunt, Hingham, showed some well grown flowers of Cyp. Wm. Wallace Lunt, for which he received a first class certificate of merit. Carl Blomberg, gardener for Oakes Ames,



Glimpses of the Wholesale Store of Messrs. Bassett & Washburn, Chicago.

four varieties of anthuriums, which were very attractive. H. T. Clinkaberry, gardener to C. G. Roebling, Trenton, N. J., showed a very fine Cattleya Trianae Emily M. Roebling, very large well formed flower and excellent color, for which he received honorable mention. Mr. J. E. Rothwell, Longwood, exhibited a very fine plant of Cypripedium Sallierii Hyeanum with 15 growths and 7 flowers, also Cyp. concolor and Cyp. nitens superbum. W. H. Spooner, Jamaica Plains, showed a vase of the good old rose, Gloire de Dijon.

A very interesting lecture entitled, "New Notions About Old Insects," was delivered by Prof. M. V. Slingerland, of Cornell University, Ithaca, N. Y.

Various Items.

Mr. P. Welch, of Welch Bros., has been confined to his home for several days with a severe cold.

Norton Bros. report good business the past week. They had several important decorations. Houghton & Clark also report an improvement in the call for decorations. James Delay reports a decided gain in business.

Mr. A. P. Calder is cutting Cherokee roses in quantity and they find a ready sale.

The wholesale cut flower market remains about the same as last week as regards prices, though there is more demand. Violets are still a drug and are largely handled by the street fakirs.

Welch Bros. are receiving consignments of orchids twice a week. They include some remarkably fine Cattleya Trianae which meet with ready sale.

C. H. J.

BUFFALO.

Flowers for Valentines.

Nothing startling to record of late. We hear of a cut in some flowers. "Tulips are 75 cents per dozen, madam." "Why, I can get them at So and So's for half a dollar. How much are your carnations?" "Fifty cents, madam." "Oh, dear! you are high; down the street they ask only 35 cents." And so it goes. Sometimes it's the truth and sometimes it's pure cussedness, and a mean way of getting a thing cheap. The weather is not fine enough, and too little sun to make much of a glut. Violets are getting plentiful, but they are usually all used up, and particularly to-day, for 'tis St. Valentine's day of happy memory, when our hearts palpitated at the postman's knock and our few pennies were spent in some modest little Cupid and the original lines, "The rose is red," etc. We did not have funds enough to buy a bunch of violets for her, and flowers were very little used then. We now think the most seasonable valentine is a box of flowers or pretty plant.

Business Changes.

We hear that W. Scott has rented the store at 546 Main street, two blocks further uptown and a much more commodious place to do business. W. A. Adams is likely to move into 479 Main street.

There will be at least three start for Chicago Wednesday, and we hope to make it four. The Nickel Plate is the road selected.

Various Notes.

Messrs. Wise, of East Aurora; Hewson, of the Abbott Road; young Mr. Lewis, of Lockport, and Prof. Cowell, have all been making a pilgrimage to Corfu and Darien of late to see Genesee on its native heath. They all exclaimed, "That is good enough for me."

It certainly, when growing, has a superb appearance.

It's always extremely pleasant to have a call from the patriarch of the trade, and W. J. Palmer, Sr., and the writer spent two hours this morning in exchange of ideas, but the time was chiefly occupied in cussing the Dutchman that sold us our La Reine tulips. We know him, and have him spotted. The several men who supplied us with diseased Bermuda lily bulbs came in for a general condemnation, for they are all guilty.

The Atlantic Packers' Association met here last week, and that brought many of the supply men to town, among them W. R. Roach, representing Jerome B. Rice & Co., seed growers, of Cambridge, N. Y., and several other places. Mr. Roach shows keen intelligence. He knew enough to buy liberally of flowers and read the Florists' Review.

Wm. F. Schmeiske, of Wilkes Barre, was recently in town. He has dissolved partnership with A. W. Moore, and is looking around for a business opening, and there is good reason to believe Mr. Wm. F. S. will shortly be enrolled among the retail florists of our city.

W. S.

WASHINGTON.

Trade Resume.

Usually the week preceding Lent is the gayest in social circles and there is no reason to believe that the coming week will differ from former seasons. The orders booked ahead by the florists indicate an exceptionally lively week to come. The week past has kept up the pace of its predecessor and went it one better. There were really more entertainments, but none calling for any special decoration.

The effect of the bright and summerlike weather of the past week is plainly visible in the quality and quantity of stuff coming in; the outside temperature reaching 70 degrees in the shade. Prices are holding their own, with the exception of violets and slight changes toward the lower in bulbous stuff.

Mr. Bissett, foreman for Mr. J. R. Freeman, continues to send in the finest Bridesmaids grown in this vicinity. For color, size of flower and length of stem they are all that could be desired. His Scott carnations are equal to the best northern grown. He is adding several new varieties to his list this season and intends discarding White Scott, Portia, Mrs. Thompson and others. He is much pleased with the Farquhar violet, claiming not only are the flowers larger and stems longer, but that they produce twice as many blooms as Marie Louise.

Notes.

Mr. J. E. Killen, representing Mr. C. H. Joosten, of New York, was in town last week and attended the last meeting of the Commercial Florists' Association. He seemed much surprised at not seeing Mr. Wm. Gude present. He gave a very interesting talk about similar troubles in other cities, citing St. Paul and the successful efforts of the florists of that city in breaking up and compelling an industrial institution, supported by the state, from entering and competing with them in the open market.

At the dinner given by the vice president and Mrs. Hobart the plants for the decoration were borrowed from the White House conservatories. A few strings of smilax and a few dozen roses purchased from a florist, and any deficiency in quantity was made up in the use of artificial flowers. The wall plaques and a mantel or two were decorated with artificial roses and were partially hidden by plants. The person who furnished the extras was asked, on the strength of the purchase, to do the decorating.

The order prohibiting visitors from visiting the Government houses at the Monument grounds, continues in force so far as the committee is concerned.

Col. Clay, president of the U. S. Reform School, made the remark to a member of the Florists' Association who called on him to ask his assistance in checking the sales of the products of that institution in the open markets in competition with the florists, "that we (the florists) ought to be indicted by the grand jury for combining to hold up the prices, and he, for one, would be glad to see it done."

W. H. K.

BALTIMORE.

Business Conditions.

Business being quite up to the standard, there was little or no complaint heard from the florists this week. The close proximity of the Lenten tide has no doubt greatly augmented the number of balls and receptions which took place the past few days, while at the same time it has hastened the booking of many large affairs which are yet to follow before the social season sinks to rest.

With the weather's sudden transition from cold to warm, good stuff has become plentiful again and quite up to the demand, with little or no change in prices over last quotations. Violets, however, deserve special mention, both for quality as well as popularity. In observance of the near approach of St. Valentine's day, the stores are making an unusual display of tasty floral arrangements and novelties, which seem to take the public's eye, and sell well. Owing to the bright and balmy weather, there was an unusual crowd of promenaders about the markets Saturday afternoon, and the florists seemed particularly busy.

Notes.

To prevent further misinterpretation, the writer begs to state that in his last letter to The Review, he simply wished to correct an error, and it was not his intention to even imply that Mr. E. A. S. of the "Exchange" had committed any breach of confidence whatever.

Mr. M. Rice, of Philadelphia, was with us several days on his trip west.

C. F. F.

TORONTO.

Canadian Hort. Society.

The two great events in horticultural circles here last week were the meeting of the Canadian Horticultural Association and the eighth annual dinner of the local Gardeners' and Florists' Association. As regards the former, it must be said that the meeting was not attended by as many as was expected and hoped for by the promoters, but it must also be said that what was lacking in numbers was more than fully made up by the enthusiasm and earnestness of those present. The S. A. F. & O. H. (the secretary should supply rubber stamps for this title), I believe, was started in a similar manner, and I have no doubt that the first convention of the C. H. A. will be as successful as theirs was at Cincinnati in 1885. I cannot perhaps give a better account of what was done at the meeting than by sending you a clipping from one of the daily papers of the 11th inst.:

The members of the Canadian Horticultural Association met yesterday morning in St. George's Hall to complete the organization which was entered upon in November last. The president pro tem. Mr. Wm. Gammage of London, was in the chair, and among those present were: Mr. Hugh McLean, St. Thomas; Mr. Fred. Mitchell, Innerkip; Mr. Fleck, Mount Forest; Messrs. J. H. Dunlop, George Vair, E. H. Carter, A. H. Ewing and others, of Toronto.

Mr. Gammage, in addressing the meeting, said that the value and need of associated effort is recognized in all professions and trades, and none needed it more than they did as a profession; it encouraged trade, promoted harmony, incited our aspirations and begot fellowship. These were some of the fruits to be derived from associating. He asked them then to pledge their fealty to the association, and let no opportunity pass wherein they could extend its usefulness. They did not come together to organize a trades union, nor to fix a scale of prices, or to form a trust; there was no sinister purpose in their coming together. They were seeking knowledge, and it was for mutual conference and consultation, and to exchange ideas and compare methods respecting the progress made in the aid to nature in producing horticultural products. By this exchange each would become possessed of the knowledge of all, and return to his field of labor and business the better qualified for further improvement during the coming year.

Continuing, Mr. Gammage referred to the fact that not one time in ten was the original idea of the government grant fulfilled in horticultural societies. This was the result of indifference or owing to the influence of political ringers. He laid stress also upon the need of a purely Canadian horticultural journal.

In the afternoon session the organization was perfected. The first business transacted was the election of officers. Those chosen were as follows: President, Wm. Gammage, London; first vice-president, E. G. Foster, Hamilton; second vice-president and vice-president for Quebec, Joseph Bennett, Montreal; secretary, Hugh McLean, St. Thomas; treasurer, John H. Dunlop, Toronto; vice-president for Ontario, T. H. Carter, Toronto; executive board for three years, Thos. Manton, Toronto; Fred. Mitchell, Innerkip; H. H. Groff, Simcoe. For two years, Harry Dale, Brampton; Charles Scrim, Ottawa; G. W. Mills, Toronto. For one year, A. H. Ewing, Toronto; Walter Muston, Toronto; Orlando Johnston, Kingston.

The by-laws were then discussed and decided upon, a great amount of detail work being done. The meeting adjourned about 5 o'clock.

The place of meeting for the first convention will be Toronto during the second week of the Industrial Exhibition. This decision was reached after

a long discussion; several other places were named, but though their suitability was not denied, it was thought that on account of the cheap railway rates to be obtained at the time, as well as the other attractions, a much larger representation could be gathered together for the inaugural convention if held here at that time than at any other place, and that the association could be given a better "send-off," as it were. Persons wishing for a copy of the by-laws or other particulars should write to the secretary, Mr. Hugh C. McLean, St. Thomas, Ont.

Dinner of the G. and F. Association.

The second event—the dinner—was held on the same evening, and was in every way a great success. The decorations were very pretty, orchids being very much in evidence, coming principally from the Horticultural Gardens conservatory. Two pans of Coelogyne cristata and two of Dendrobium nobile were magnificent. Manton Bros. sent some ferns and orchids, and there were some ferns from the Normal School greenhouses. Mr. J. H. Dunlop sent a magnificent center piece of Meteor roses and asparagus. Some fine azaleas, also from the gardens, were very showy. Of the dinner itself and the liquids nothing but praise can be said. The speeches were above par, the songs and music the best that have been heard at these dinners yet.

Mr. W. Lawrence's "Death of Nelson," Mr. Verral's "Boys of the Old Brigade," Mr. Alf. Rubbra's "Prodigal Son" and stump speech, Alderman Score's "Land of the Maple Leaf," and ex-Alderman Preston's patriotic Canadian speech seemed to catch the boys just in the right spot, and were received with "tumultuous applause." There were four aldermen present, and all made speeches but no one seemed inclined to indulge in "excursive prolixity." Alderman Score, mentioned above, is now chairman of the parks and garden committee of the city council in place of Alderman Hallam.

And now I want to do a little scolding. Several faces of those well known in the trade, and for whom there is no excuse for not attending, at least for an hour or two, were not to be seen at the table. These kind of things are not got up simply for the purpose of "guzzling and gormandizing." There is another and higher purpose, which these gentlemen know all about without my telling them. They appear to be quite willing to take all the benefits which accrue from the association's work in keeping horticultural matters before the public, etc., and are quite willing to give any amount of advice and criticism in their stores and potting sheds, but to give up anything—time, money, comfort, pleasure, prejudices or jealousies—for the sake of the good work does not seem to enter their heads. I call it, to use a mild term, a very selfish way of doing business. I admit that the association might do more than it does to improve things, but it should be remembered that it has done a good deal, and if it only holds a flower show once a year it has a very good excuse for existence and deserves every assistance. With more encouragement it could do more efficient work. These annual dinners, held at the best place in town, are one means of "holding our end up," to say nothing of their social use in the fraternity, and all should make it a point of attending who possibly can. Surely we could forget all our little petty differences for one night in the year. I trust these remarks will be received by those whom the "cap fits" without offense—none is intended. I merely make them as a reminder that they owe something to the organizations that are doing their best to raise the standard of horticulture and horticulturists in this city.

Business Fair.

Business last week was in the aggregate not at all bad. Several pretty big affairs came along, and the general demand was fairly lively. Bulbous stuff is still plentiful. The weather was comparatively mild and all the snow is off the ground again, ready to receive more. E.

ORANGE, N. J.

Club Meeting.

The New Jersey Floricultural Society held its regular monthly meeting the evening of February 7, and it was well attended. The discussion upon the advisability of holding a spring exhibition consumed considerable time. Ladies of the Orange Improvement Society having asked to work in conjunction with the society's members to make same a success, a committee was appointed to interview the ladies and ascertain how far they were willing to be financially responsible. With the extreme wealth of the Oranges and their wonderful floricultural resources a grand exhibition and success should be the result.

Discussion.

The next subject taken up was the bill now before the New Jersey senate governing the importation of trees, plants, shrubs, vines, grafts, cuttings and buds, and the rules and regulations for the inspection of trees, plants, shrubs, vines, grafts, cuttings and buds, commonly known as nursery stock, grown within the United States, which become subjects of inter-state commerce on exportation, which is to prevent the introduction into and the spread of injurious insects in New Jersey and to provide a method for compelling their destruction.

The bill was discussed from every conceivable point. It was generally conceded that the best way to settle the various arguments was to appoint a committee to thoroughly investigate the bill and to present objections to their representative. This was done and the club will have a say before the bill passes its third reading.

An Interesting Discourse.

Mr. H. S. De Forest, of Hitchings & Co., then gave a very interesting discourse on Greenhouse Construction, which was ably discussed by Mr. Kitchen, W. A. Manda, F. L. Atkins, and others. Many new points were brought out and much interest was taken by every one present.

Exhibitton.

Mr. Kitchen had on exhibition an individual flower of a new carnation—scarlet sport—from Mrs. Bradt. This ought to prove a good thing.

A pretty exhibit of carnations was made by Robt. McArthur, Mrs. Bradt being shown in elegant form. Certificates of merit were awarded for this display.

The meeting closed, everybody feeling satisfied that the evening had been well spent.

ST. LOUIS.

The Florist Club.

The Florist Club held its regular meeting on Thursday afternoon at 3 P. M. President Halstedt or Vice-President Ude were not present owing to important business at home, and Ex-President Fillmore was selected to fill the chair, with 30 members present. Three new members were elected to membership, W. E. Jordan, Fred Meinhart and Fred Billinton. Applications for membership were received from the following florists: W. L. Hucke, A. E. Michel and Fred W. Weber. Essays were next in order. Mr. John F. Ammann, of Edwardsville, Ills., Andrew Meyer, Sr., and R. F. Tesson, each read their essays and received great applause from the members.

Mr. William C. Young read an article from The Florists' Review of January 13 on "Work for Florists' Clubs," as read by Mr. John Jones before the Morris County Florist Club, that brought out a great discussion which will be continued at the next meeting of the club.

It was decided that the president should appoint, some time before the next meeting of the club, three competent judges to act as judges at our annual carnation meeting on March 10 at 2 P. M. A certificate of merit will be given to all those deserving. The meeting then adjourned to enjoy a smoke at the Mercantile Club.

The Smoker.

Some thirty-five florists attended the annual smoker given by the club. The committee, Messrs. Beneke, Young and Fillmore, had everything in readiness when the party arrived. The two large rooms, known as the blue rooms, the best in the house, were used for the occasion. First on the program were refreshments and cigars, after which the chairman called order. In the absence of President Halstedt, Vice-President Ude was called upon for a few remarks for the good of the club. Mr. J. F. Ammann then sang his new song, "Bring Back Some Gold." This song

Mr. Ammann dedicated to the St. Louis florists who went to Klondike last week. Mr. Carl Beyer did some fine acrobatic work. Mr. J. J. Beneke sang a few comic songs, as did Al Bauer. Frank Fillmore, Sr. and Jr., both sang and told funny stories. J. W. Kunz was down on the program for a flying trapeze without a net, but fell and was badly hurt. This put a damper on the entertainment for awhile. Dr. Helwig, the club's physician, was on hand and soon had the old sport in good shape again to continue the entertainment, and after a grand cake walk by all present the party broke up to bowl a few games.

Market Review.

The cut flower trade since last writing has not been so brisk, but the wholesale houses claim they had good trade all week. Cut flowers are not over plentiful and few good orders were placed for St. Valentine's day.

Beauties continue scarce and really first-class stock cannot be had. Meteors, Maids and Brides are selling for the best from $6 to $8. Perles and Woottons go at $3 to $5. The best Perles come from J. F. Ammann and the fine Woottons are grown by Fillmore. All the best roses are in excellent demand and bring top prices.

Carnations, fancy varieties, bring $2.50 to $3. Scotts, Daybreaks and any kind of red sell at sight. The fine Eldorado grown by H. Aue bring as high as $5 per 100.

Valley is now in good form at $4. Romans, daffodils and tulips are moving better and sell at $4. Callas are plentiful at $8 and $10 and Harrisii are still selling at $12.50. Violets continue to come in in great quantities to this market and are selling very cheap. A few days of warm, bright sunshine brought out a few florists to the market with plants and they claim that they sold out in short order.

Notes.

Fred Ostertag has given up his store on Vandeventer avenue and has left town.

Only about six, and perhaps ten, of our florists will attend the carnation meeting this week at Chicago.

The committee for this year's show will meet again on Saturday night at the same place to work on the preliminary list.

Visitors in town this week are Robert W. Greenlaw, with N. F. McCarthy & Co., Boston, Mass., and Mr. Klehm, of Chicago.

The Bowlers.

At the Bowling Club Monday night the attendance was a little slim, but the few that were on hand rolled the usual three games. C. A. Kuehn was high man with 604, high single score 221; Beneke, second with 549, high single score 212; E. Schray third, 539, single score 189. Mr. Gus Eggleing, the South Grand avenue florist, was a visitor and rolled with the boys. Next Monday night we expect to celebrate a birthday and all members are requested to attend. J. J. B.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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NEW YORK.

The Florist Club.

At the regular monthly meeting of the New York Florist Club, Monday evening, about seventy members were present, and will rank as one of the most successful in the club's history in point of numbers, new members elected and proposed, business done, and the excellent lecture delivered by Mr. John K. M. L. Farquhar, of Boston, and not forgetting the exhibits which were exceedingly good.

Mr. William Plumb, the president, was in the chair and, after the minutes were read, the following gentlemen were elected to membership: R. Ulrich, R. L. Cottenet, Charles Schenck, Charles Millang, F. H. Traendly, H. A. Bunyard, William Elliott, J. M. King, J. P. Cleary, Theodore Lang, J. K. Allen, Charles Trauth, all of New York; and the following new members proposed: John Finn, W. H. Gunther, E. R. Lucatos, Peter McKenna, J. Cook, W. S. Lee, James McManus, Joseph Fleishman, all of New York City; R. McMillan, Pearl River, N. Y.; C. H. Flemming, Bridgeport, Conn.; J. R. Mitchell, Stamford, Conn.; Fred Boulon, Seacliffe, L. I.; J. P. Mallon, Brooklyn; Fred H. P. Imbert, Woodridge, N. Y.

The committee which visited Patchogue, L. I., on the invitation of Mr. Frank Niquet, reported on the carnation show at the previous meeting, and now known as "Maud Adams," and awarded the following points: Size 10, form 20, substance 20, color 20, stem 10, foliage 10, rarity 5, fragrance 5, a total of 90 points. The committee consisted of J. N. May, L. Hafner and Alex Burns. The committee recommended a certificate of merit, which was unanimously awarded by the club. The color is a beautiful cerise and the flowers measure three inches, with fine, stiff, erect stem of great length.

The committee of awards on exhibits then read its report and suggested the following new rules, which were adopted:

Rules and Regulations Governing the Competition of the New York Florists' Club Medals.

The exhibition to take place at every meeting of the Club during the year 1898.

Intending exhibitors should notify the secretary at least one week before each meeting, of their intending exhibit; also approximate amount of square feet required.

The limit for the space for the exhibits to be as follows: except by special permit, when an exhibitor intends to make an extraordinary exhibit.

Cut flowers, 20 square feet.
Pot plants, 50 square feet.
Decorative and made up work, 25 square feet.
Manufactured articles, 35 square feet.

All the exhibits are to be staged and in position by half past five o'clock on the evenings of the meetings of the Club.

All the exhibits are to be properly labeled.

The exhibitors should hand as an entry, a correct list of their exhibits to the secretary, who will give them a number, by which alone said exhibits shall be known until after the awards have been made and announced by the secretary.

The Judges are to finish the judging of the exhibits before the opening of the meeting, during which time no one will be allowed in the room except the Judges.

The decision of the Judges shall be read by the secretary during the meeting, giving in detail the points scored and any exhibitor having any protest to make against the Judges, same should be made before the close of the meeting, but in all cases the final revision by the Judges shall be final.

A committee consisting of six members shall be appointed by the chair, selecting one expert, in each of the six different classes.

The Judges shall award Certificates of Merit to deserving exhibits at each meeting and the holder of the largest number of Certificates at the end of the year shall be entitled to the Gold Medal and the second largest number to the Silver and the third the Bronze Medal.

No exhibit shall be entitled to a Certificate unless it scores at least 85 points.

All exhibits must be divided from each other by a chalk or other mark.

No one individual plant shall be exhibited more than once at any meeting of the Club during the year.

Cut Flowers.

Size of exhibit	24
General effect	24
Rarity	12
Substance	10
Color	8
Stem	6
Foliage	6
Fragrance and other qualities	10
	100

Governing all Exhibits of Plants.

Size exhibit	20
Cultural Perfection	20
Effectiveness	20
Rarity	15
Desirability for general culture	25
	100

Decorative and Made Up Work.

Novelty in design	30
Artistic Arrangement and Harmony in color.	40
Quality of material	30
	100

Fruits and Vegetables.

Quality	50
Size	20
Color or finish	20
Other points	10
	100

Manufactured Articles.

Utility	30
Durability	20
Simplicity	25
Cheapness	25
	100

Inferior exhibitions to be excluded by the committee.

Manufactured plants of all kinds to be excluded from this competition.

Among visitors in town were Chas. H. Flemming, Bridgeport, Conn.; John G. Esler, Saddle River, N. J.; Edgar Nock, Providence, R. I.; C. H. Perkins, Newark, N. Y.; John K. M. L.

Farquhar, James F. M. Farquhar, Boston; John R. Fotheringham, with F. R. Pierson Co., Tarrytown, N. Y.

The vanguard of the Holland bulb men have arrived; two of them, Mr. Grawvel, with Speilman & Son, and Mr. B. Kaptein, were on the ill-fated Veendam, and had a thrilling experience. Mr. P. Vos, of the Holland Bulb Co., has also arrived, but came per S. S. Saale.

Mr. Patrick O'Mara visited Washington last week with reference to House Bill No. 8694, mentioned in another column, and succeeded in having an amendment inserted exempting florists' stock, which we hope will be permanent.

Mr. Patrick O'Mara addressed the club with regard to the several bills before congress and the New Jersey and New York legislatures affecting florists, inasmuch as though the bills were really aimed at the San Jose scale, Peach Yellows and Peach Rosette, florists' stock really comes under the ban and, if passed, would cause endless trouble to the trade. On motion it was decided to appoint the following members, to act as a legislative committee, to visit Trenton, Washington and Albany, and to appear before the several committees, to protest against any legislation that might act as a detriment to the florist trade: Patrick O'Mara, John N. May, and C. H. Allen.

The dinner committee reported that over 50 members had promised to attend on the 26th and present indications are that it will be a "hummer."

Mr. Chas. Allen then introduced the lecturer for the evening, Mr. John K. M. L. Farquhar, who gave an extremely interesting talk on "The Bulb Gardens of Holland and Plant Life in Jamaica," illustrated with a collection of beautiful photographic stereopticon views, many of them taken by himself. Mr. James F. W. Farquhar, his brother, attended to the practical part, while Mr. "Alphabet" Farquhar guided us through the canals and bulb fields of Holland, illustrating the various modes of growing and propagating of this immense branch of horticulture, of which nearly $5,000,000 worth are exported every year. From thence we were taken to France and introduced to Mr. Peter Crozy, of canna fame, through picturesque Switzerland, the gardens of Kew, London, and some horticultural establishments, thence to Jamaica, the home of tropical fruits and flowers, where Mr. Farquhar travelled from end to end. The lecturer was listened to with rapt attention and his concluding sentences were greeted with a burst of applause. A hearty vote of thanks to him was unanimously accorded and it was the sentiment that it was a most enjoyable evening's entertainment.

The Exhibit.

Mr. H. C. Steinhoff exhibited some well flowered azaleas of the following varieties: Deutsche Perle, Vernaeneana, Paul Mardner.

Siebrecht & Son staged two nice pieces of dendrobium, the Cliftondale variety of nobile and Wardianum; the former very rare.

W. A. Manda showed Cattleya Trianae coerulescens, C. Trianae alba, C. Trianae var., Dendrobium Dominianum, D. Ainsworthii and variety alba; all in flower and nice specimens, and a variegated form of Geonoma gracilis.

T. W. Weathered's Son exhibited a section of their model greenhouse, iron and wood construction, which for simplicity and utility will certainly find favor.

Mr. F. L. Atkins showed a sample of the "Brazilian Tonic Plant Food," an odorless fertilizer that looks like snuff and will be used largely when better known, as it contains all the best ingredients for a plant food.

Mr. C. W. Ward exhibited an excellent collection of carnations of his well known varieties that were much admired.

Mr. Frank Niquet sent a vase of his new carnation, Maud Adams.

New York Gardeners' Society.

At the regular meeting of the above association held in Mott Memorial Hall, Saturday evening, Mr. William Scott, of Tarrytown, in the chair, the usual routine business was transacted. A paper was read by Mr. A. Wengarter for Mr. E. Runyon, president of the Elizabeth Nursery Co., on Trees and Shrubs; Their Selection and Management, which was well received and was accorded a hearty vote of thanks.

There were several exhibits. Mr. C. W. Ward showed some of his usually fine carnations, including the following varieties: General Maceo, Bon Ton, John Young, Blush, New York, Mrs. G. M. Bradt, Golden Nugget, White Cloud, Mrs. James Dean, Flame, which were awarded a certificate of merit.

Mr. Joseph Towell, Paterson, N. J., exhibited his new seedling from Daybreak, Governor Griggs, very similar to the parent, but much more fimbriated and slightly deeper in color; awarded a certificate of merit.

Mr. A. Wengarter, Bay Ridge, N. Y., gardener to G. W. Bliss, exhibited some specially well grown carnations of the following varieties: Bouton d'Or, Diaz Albertini, Mrs. G. M. Bradt, Mrs. James Lane, seedling Diaz Albertini, William Scott and Mars, seedling from Moladach; collection awarded a certificate of merit.

Mr. W. Bartholomae, the able secretary of the association, showed some forced Forsythia Fortunei, and Deutzia gracilis; awarded honorable mention.

Our Special Wholesale Report.

Milder weather conditions have operated to bring in an adequate supply of all varieties of stuff. Trade has not kept pace with the increased amount and a recession of values has taken place ranging from 25 to 50 per cent. The demand has been slow and uneven since the 7th, which is all the more disappointing when it was expected that the two weeks preceding Ash Wednesday would prove to be good.

Maids and Brides show a falling off in quality and the proportion of long straight stems is less than a week ago. The color is not so good and the flowers are soft. Other varieties seem to have suffered less. The cut of Beauties has largely increased though the special size is yet a little shy in blooming. The larger part are short stems; on these the price is low.

Carnations have held their own better than roses, but the price on them is not firm. The violet crop is on and shipments are heavy, so that it is not possible to clean out except at low figures. Bulbous stock is a glut. Harrisii, tulips, Van Sion and freezias are at a discount. Smilax and adiantum sell at fair figures. Valley is doing no better with a tendency to lower figures; for prices see market report.

Various Notes.

Mr. John M. Hunter, who was recently manager of the estate of H. V. R. Kennedy, Hempstead, L. I., has been appointed superintendent of parks at Paterson.

Mr. J. W. Scallen, the well known Broadway florist, will move to 1246 Broadway, a very spacious store, May 1st. This is getting to be the center of the shopping district now and it will doubtlessly be a very judicious move. I noted in his window some of the new rose Mme. Chatenay, and Golden Gate, also a new pink carnation Ada Rehan, very attractive and of good color.

CINCINNATI.

The Florist Club.

The regular monthly meeting of the Cincinnati Florists' Society was held last Saturday evening, with President Witterstaetter in the chair. The Chicago trip was discussed and the boys are still in favor of going via the C., H. & D. Upon motion it was resolved to procure a crayon portrait of the late Robt. J. Murphy to adorn the meeting place of the club. The secretary was instructed to notify the delinquent members to pay up within sixty days or they would be dropped from the register. Mr. Witterstaetter reported that he had secured badges for all who intended to attend the convention.

The Exhibit.

The monthly exhibit of plants and cut flowers was as usual a success. Mr. C. W. Ward, Queens, L. I., Mr. Wm. Swayne, Kennett Square, Pa., and H. Weber & Sons, Oakland, Md., were outside contributors. The new rose Mrs. Robt. Garrett, was highly praised and admired by all.

Messrs. George & Allen were as usual in the lead with a fine collection of roses. Their Meteors, Brides and Maids were A No. 1, as was also their bulbous stock, which made a grand display.

The City Greenhouses had a small collection of orchids which, as usual, proved an attraction for the ladies.

Their cyclamen in 6-inch pots, were well done and worthy of note.

A. Sunderbruch's Sons made a general display of plants and cut flowers. Some choice palms in the background with foliage and blooming plants, with several vases of lilies interspersed made the display attractive and complete.

Corbett & Wilson showed some Princess of Wales violets with stems 7 to 9 inches long. Their Marie Louise were also very good.

Wm. Murphy had fifteen standard varieties of carnations on exhibition, including Emma Wocher, Mrs. Geo. M. Bradt and Jubilee.

Trade Brisk.

Trade is quite brisk and all stock is going well at good prices. The supply is still insufficient to meet the demand. Bulbous stock is moving quite lively in consequence of the shortage of roses and carnations.

Recent visitors: R. W. Greenlaw, representing N. F. McCarthy & Co., Boston; Wm. Dykes, representing Ed Jansen, New York; A. L. Vaughan, of Vaughan, McKellar & Winterson, Chicago; T. C. Joy, Nashville, Tenn.; E. G. Hill, Richmond, Ind. B.

JADOO FOR CARNATIONS.

Mr. Albert M. Herr, Lancaster, Pa., has been experimenting with the Jadoo Fibre in propagating carnations and is so well pleased with the results that he will next season use the Fibre almost exclusively for this purpose. Evidently there are many uses to which this material may be put to advantage.

PATERSON, N. J.—At the meeting of the Paterson Florists' Club, Feb. 16, Prof. Byron D. Halsted, of New Brunswick, N. J., read a paper on "Injurious fungi in the greenhouse."

WANT ADVERTISEMENTS.

SITUATION WANTED—As foreman in good florist establishment. First-class rose grower, also palms, ferns, carnations, mums, violets and general stock. Or take charge of a gentleman's good private place, 20 years experience in England and America. Strictly temperate. Good wages expected. Married. Disengaged about March 1st. Good references. Address Geo. Norton, 164 Center St., Bridgeport, Conn.

SITUATION WANTED—Near Chicago, by first-class grower of cut flowers and plants, also mushrooms and cucumbers. Was in charge of last place for six years. Good references. Parties wanting a good all round man please address F. G., care of Florists' Review.

SITUATION WANTED—A young man of 19, with three years experience in florist store, desires a place in greenhouses to learn practical floriculture. Albert Fiedler, 820 Hanover Street, Baltimore, Md.

SITUATION WANTED—Gardener, single; in private place, understands care greenhouses, fruits, vegetables, lawns and everything in general; best of references. Address W., Florists' Review, 56 Pierce Bldg., New York City.

FOR SALE—Large cypress tank holder; ten thousand gallons of water; good as new, as it has been indoors and well painted; only in use 5 years; price, $75.00, f. o. b., Cincinnati. J. A. Peterson, 105 East 4th St., Cincinnati, Ohio.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By practical florist and gardener, private or commercial, as foreman, A 1 on roses, carnations, mums, violets, etc.; 15 years' experience in this country; English; married: no one horse affair need answer this; state wages, best of references. Address B. N., care Florists' Review.

WANTED—Foreman, on commercial place, California. Must be experienced in handling men, with unquestionable knowledge of propagating and growing, both inside and out; competent to take entire charge; good habits and best of references. Address "Carnation," care of Florists' Review.

FOR SALE—Range of greenhouses, and land for rent. Address John Leluan, West Foster avenue, Station X, Chicago.

SITUATION WANTED—By a first-class florist, 12 years experience in growing cut flowers and general bedding plants; age 28; single. Address Florist 100, care Florists' Review.

FOR SALE OR RENT—New house, with large barn and carriage house; poultry pen, good lawn, one and one-half acres of planting land; good water and other essential appliances which make it a desirable residence and florist business; situated one-half mile from Asbury Park Depot, New York line; rent, $250 per year, with option of a 5-year lease. Address Owner, care Florists' Review.

SITUATION WANTED—By a florist and gardener, private or commercial; 15 years' experience, who can grow carnations, mums, roses, etc. also vegetables under glass. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Having managed cut flower store two years with success, I desire to change position for larger concern by April 1; Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florists' Review.

SITUATION WANTED—As foreman with some refined party, by a practical grower of cut flowers, palms, orchids and general stock; good designer and decorator; only reliable parties need answer; best of references, California preferred. Address Orchids, care of Florists' Review.

FOR SALE—A first-class florists' refrigerator. Have changed location and it can not be used in present place; will sell cheap. Address J. J. McManmon, 6 Prescott st., Lowell, Mass.

WANTED—A good rose grower, a working foreman who can grow Beauties; give references. Address W. C. Florists' Review.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salaryor commission basis; a first class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where fine cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

SITUATION WANTED—By a good German gardener, married, small family; was working in wholesale places; private place preferred; best of references. Paul Stoever, 75 Ward street, Chicago, Ill.

SITUATION WANTED—By young married man, age 27, who can grow orchids, palms and ferns. Address N. J. A., care United States Exotic Nursery, Short Hills, N. J.

SITUATION WANTED—By an experienced gardener and florist, to take charge of private or commercial place; age, 38; married; best of references. Chicago, care Florists' Review.

WANTED, SITUATION—By a florist of 20 years' experience as maker up of designs or general greenhouse work; very best of recomendations. Joe. N. Lawrence, Ottumwa, Ia.

SITUATION WANTED—By florist and gardener; private or commercial place; thoroughly competent; married, Address B., care H. A. Dreer, 714 Chestnut street, Philadelphia, Pa.

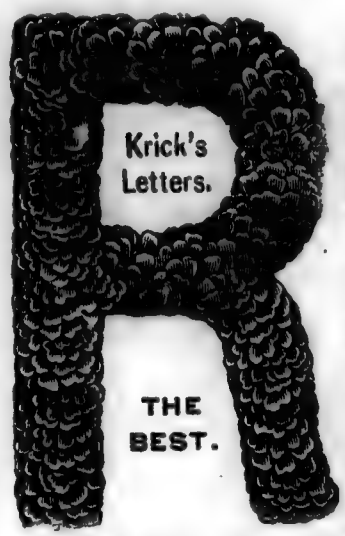
WANTED—First-class rose grower; strictly temperate and willing te work; steady place; state! wages expected and give references. Humfeld Floral Co., Ninth and Highland ave., Kansas City, Mo.

GREEN HOUSE FOR SALE.

EVERYTHING in first-class condition, and centrally located. Good stock of flowers of all kinds. Natural Gas and Water Works supply. Population of city 8,000.

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These Letters and Designs are made of the best Immortelles wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market 2-in. Letters. $2.50 per 100. Postage 15 cents per 100.

For other styles of Letters, Emblems and Designs, send for catalogue. Before purchasing send for free sample and catalogue, and compare with any other letter on the market.

For Sale by all Florists' Supply Dealers.

The Perfect Flower Pot Handle and Hanger.



It is used in lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 pounds.

No. 1, will fit from 2 to 5-inch pots, per dozen, 35c.; No. 2, will fit from 5 to 8-inch pots, per dozen, 50c.; No. 3, will fit from 8 to 12-inch pots, per dozen, 60c. Postage 10c extra per dozen; sample pair. 10c, postpaid.

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SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

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Address S. C., care FLORISTS' REVIEW.

Vaughan, McKellar & Winterson, Chicago, acknowledge no superiors in the packing of cut flowers for shipment.



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DREER'S "SPECIAL OFFER" OF Seasonable BULBS and TUBERS

TUBEROUS-ROOTED BEGONIAS AND GLOXINIAS. Now is the time to plant for early flowering. Our strain this season is even superior to that supplied by us in the past, having secured control of the stock of two of the most successful European growers, same having been personally inspected by us while in flower.

SINGLE TUBEROUS-ROOTED BEGONIAS.

Separate colors—Crimson, Scarlet, White, Rose, Yellow and Orange.
50c. per dozen, $3.00 per 100, $25.00 per 1000
Choicest Single Varieties in Mixture—40c. per dozen, $2.50 per 100, $20.00 per 1000.

DOUBLE TUBEROUS-ROOTED BEGONIAS.

Separate colors—Scarlet, Rose, White and Yellow.
$1.25 per dozen, $10.00 per 100, $90.00 per 1000
Choicest Double Mixed—$1.00 per dozen, $8.00 per 100, $70.00 per 1000.

GLOXINIAS.

A Superb Strain in Choicest Mixture—75c. per dozen, $5.00 per 100, $40.00 per 1000.

FANCY LEAVED CALADIUMS.

Choice Named Varieties, in 25 sorts—$2.00 per dozen, $15.00 per 100.
Choice Mixed Varieties—$1.00 per dozen, $8.00 per 100.

DAHLIAS.

A fine assortment of 25 Double Cactus, 12 Double Show and Fancy, 20 Pompone strong field grown roots. $1.00 per doz., $3.00 per 100.

MONTBRETIAS.

One of the most desirable of our summer and fall flowering bulbs, comparatively but little known, but certain to become popular. Six choice named sorts, 35c. per doz.; $2.50 per 100.

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4 Fine Sorts. 30c. per doz.; $2.00 per 100.

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True Dwarf Double Pearl, selected 4 to 6-inch bulbs. 85c. per 100; $7.50 per 1000.

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Send for List of Sorts and Prices.

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GERANIUM
..MARS..
2-inch pots, $1.00 per doz.
Cash with order.
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Waynesboro, Pa.

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Contracts made now for February-March delivery of fresh

...Latania Borbonica Seed...

FRESH ON HAND.	100	1000
Cocos Weddeliana	$0.90	$7.50
Asparagus Pl. Nanus	1.25	10.00
Pandanus Utilis	1.50	12.00
Latania Borbonica (Feb. 15)	.25	1.75

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MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 8-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

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From Sand or Soil. Ready Now or Later.

Daybreak	$1.25 per 100;	$10.00 per 1000.
Tidal Wave	$1.25 per 100.	
McGowan	$1.00 per 100;	$9.00 per 1000.
Wm. Scott	$0.75 per 100;	$7.50 per 1000.

CASH WITH ORDER.

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Lake Geneva, - - - Wis.

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OMAHA, NEB.

Trade Conditions.

Business has been good the past two weeks. Stock is somewhat scarce, especially carnations. Roses are sold at 75 cents to $1.00 per dozen, carnations 35 to 40 cents, violets $1.00 to $1.50 per hundred. Bulbous stock sells well this year, as most of the florists handle it in small quantities.

Among the Growers.

J. F. Wilcox is sending in some fine American Beauties and Bridesmaids and some excellent Meteors are being received from McPherson & Reed. Mr. R. Unger consigns all his stock to St. Louis and gets a better price or just as good as the retailer realizes for his stock here in Omaha. The carnations and violets which C. H. Frey, of Lincoln, is sending to this market are unusually fine, as are also the Marie Louise violets which Nicols & Green are sending.

Notes.

Mr. Geo. A. Kuhl, of Pekin, Ill., called on us on his way to the coast and was very much surprised at flowers being sold at wholesale in retail stores.

The Nebraska Florists' Society are having lots of fun. They meet every Monday night to practice bowling. The scores made were as follows: A. Donaghue, Sr., 104; J. F. Wilcox, 143; L. B. Stewart, 126; Geo. Swoboda, 111; J. J. Hess, 128, which is a good average for starters. J. J. B.

CARNATION WELLESLEY.

In our last issue an omission was made from the advertisement of Tailby's new scarlet carnation on page 487. It should have read "For sale by J. Tailby & Son, Wellesley, Mass., and H. F. Littlefield, Worcester, Mass." It appears correctly in this issue.

Mr. J. Harrison, of Jersey City, N. J., besides having his star carnation, Mrs. J. Harrison, in good shape, has several very promising seedlings. One is a specially good pink that will undoubtedly be heard from in the near future. It has not yet been christened.

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Write Us for Prices. Raffia.
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FRESH COCOS SEED
Cocos Weddeliana, $6.00 per 1000 seeds.
Special quotations on large quantities. We can now offer a quantity of
ASPARAGUS SPRENGERI DORMANT ROOTS
for early delivery. 1 year, $5 per 100; 2 year, $10 per 100; 3 year, $15 per 100; 4 year, $25 per 100.

	Per 100	Per 1000
ASPARAGUS SPRENGERI SEED; now ready	$1.50	$10.00
ASPARAGUS PLUMOSUS NANUS SEED; new crop on hand	1.25	10.00
CANNA AUSTRIA; strong, field grown pieces	2.25	20.00
CANNA ITALIA; strong, field-grown pieces	3.25	30.00
LATANIA BORBONICA; (seed), just arrived	.35	3.00
TUBEROUS ROOTED BEGONIAS; single to color	2.25	20.00
SINGLE MIXED; all colors	2.00	15.00
DOUBLE MIXED; all colors	6.00	50.00
GLOXINIAS; choice mixed	4.00	30.00

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Telephone Call 403 18th St.

Tuberose Bulbs WELL CURED, EXTRA FINE STOCK...
DWARF PEARL or TALL DOUBLE, per 100, $1.00; per 1000, $7.50
SPECIAL PRICES ON LARGER QUANTITIES.
Gladioli, Begonias, Lil. Auratum and Other Summer Flowering Bulbs, in full assortment. Send for Wholesale List, just issued.
W. W. BARNARD & CO., Seedsmen, CHICAGO.

NEW AMERICAN CANNAS
Our Novelties for 1898 Finest in the World....

	Per 12
Duke of Marlborough, dark maroon	$4.00
Duchess of Marlborough, only pure pink	4.00
Topaz, only absolutely large pure yellow	8.00
Lorraine, pink-edged, white; extra fine	4.00
Maiden's Blush, very delicate flesh color	2.50
Brilliant, 3 petals yellow, lower one red	4.00
Victoria, pale yellow, spotted pink	8.00
Triumph, velvety scarlet, extra large	3.00
Cuba, largest and finest, gilt edged	8.00
Golden Pearl, nearest approach to double	6.00

CHAMPION, positively the finest scarlet, $5 each
KLONDIKE, immense pure orange gold, $2.50 each
One of each of the above, including one Philadelphia, $12
12 Other Novelties never before offered for $12.
Philadelphia, the best crimson scarlet, $2.50 per 12
SEND FOR PRICE LIST OF 250 VARIETIES OF CANNAS.

OUR CANNAS IN FRANCE.
To Messrs. A. Blanc & Co.
Your new Cannas of last year gave me much satisfaction. Please send me a complete set of your novelties for 1898 as soon as ready; also 12 more Crimson Giant. etc.
[Signed] Ch. Molin.
Lyon, France, Jan. 3, 1898.

ASPARAGUS SPRENGERII only 300 plants in 5-inch pots (ready for 8-inch), remaining. price, $5 per 12.
DAHLIAS 11 prizes at the last Dahlia Show. 1st prize Dahlia (best novelty), Gilt Edge, $15 per 100. We have all the latest novelties.
GLOXINIAS Best English Sorts, $3 per 100.
CALLAS Spotted Leaf, $1 to $5; Black Callas, $1; Yellow, $10 per 100, Golden, $2 each; Purple Fringed, $35 per 100.
A. BLANC & CO., PHILADELPHIA, PA.

NATIONAL FLORISTS' BOARD OF TRADE
CORNELIUS S. LODER, Secretary.
Collections, Credits, Etc.
271 Broadway, - - NEW YORK.

Armstrong's Everblooming Tuberose------
A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.
FOR PRICES AND PARTICULARS
Address Luther Armstrong,
3720 Olive Street, ST. LOUIS, MO.

Carnations Chrysanthemums
New and Standard Varieties.
Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
Address
H. WEBER & SONS, Oakland, Md.

EVERGREENS
Specimens for Pots and Winter Decorations.
Send for Descriptive Catalogue and Trade List
SAMUEL C. MOON,
MORRISVILLE, - Bucks Co., - PA



KENNICOTT BROS. CO

WHOLESALE CUT FLOWERS

And Florists' Supplies,

Long Distance Telephone
Express 466.

88 WABASH AVENUE,
CHICAGO, ILL.
Rooms 22 and 23

The American Carnation Society meets in Chicago Feb. 17th and 18th. We are glad of it, for, if there is anything new and we can get it, we want it for our trade. Some member of our firm will be there all the time and growers wishing to send stock to this market will find it to their advantage to see us before making arrangements. This also applies to the buyers, for although there is no doubt that the carnation plant growers will show fine blooms to catch the growers and sell his cuttings, so we also show every day the greatest supply of carnations of any firm in the West. The difference between us and the plant grower is that we sell the cut blooms of the best commercial varieties at prices that are right. You know what you can do with the blooms when you get them, but see if you can produce from the cuttings as fine blooms as those shown at the exhibition of the Carnation Society. We think not.

The daily supply from our many growers keeps us in shape to supply your wants and we want to supply them. Please do not forget that we have been more than fifteen years in the commission line, and, therefore, know what the trade wants. We can fill your orders for carnations, roses, bulb stock or anything else that grows. We are on top, and to stay there means to fill orders as we receive them with stock such as we know the trade wants.

At least consult us before you buy anything and before you sell, if you are a shipper.

The Novelty Tulip is still in the lead. 300,000 next year. Try it. It is just as represented.

WE WILL HANDLE THE ENTIRE OUTPUT OF THE KLEHM NURSERIES

70,000 NOVELTY TULIPS

THIS IS A SURE SELLER; ONCE YOU TRY IT YOU WILL NEVER BE WITHOUT IT

You can order them from any broker as we sell to them all.

Price, 5 Cents.

PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

P. AND D. AT COST.	Per 100
Meteors, extra select	$7 to 9
Brides, Maids, extra select	$7 to 9
Meteors, Bride, Maid, good average	$4 to 6
Perles, extra select	$4 to 6
Roses, our selection	$4.00
Callas, Harrisii	12½ to 15
Tulips, all kinds	$3 to 4
Violets	75 to $1
Valley, our specialty the best	2 to 4.00
Smilax, fine, plenty	10 to 12½
Carnations, extra select	$2.00 to 3.00
Carnations, good average stock	1½c to 2½
Romans, Narcissus, Daffodils	$2 to 4
Adiantum, very scarce	$1.25
Asparagus	per string, 50c to 65c
Galax	per M, $1.50
Common Ferns	per M, 2.00

Common Ferns 500 sold at 1000 rates.

Asparagus always on hand.

All flowers in season at lowest market rates.

Store open until 6:30 P. M. week days, until noon Sundays and holidays.

We always ship extra select or high-grade goods unless otherwise ordered.

FINEST VALLEY THAT GROWS!

WESTERN AGENTS FOR..... E. G. ASMUS' LILY OF THE VALLEY.

It is not what you pay for the extra select stock, but what the extra select stock pays you. Bear in mind that the best is the most economical. It pays to trade at headquarters and the greatest house in America.

Jobbers in all kinds of desirable....

Florists' Supplies

PITTSBURG.

Trade Conditions.

Trade for the past week has been good. Bulbous stuff is plentiful and meets with fair demand. Judging from the sale of single violets, it would seem that they are becoming more popular here. Funeral work has been plentiful. Many memorial flower tokens were ordered for the unfortunate ones killed at the big fire of the Union Storage and Chautauqua Ice Co. plants.

Various Items.

The most noteworthy event of the week has been the formation of the firm of Britenstein & Co., which succeeds Patterson Bros. The firm is composed of Messrs. Walter Britenstein of Smithfield, and Walter Flemin, formerly manager of Patterson Bros. Britenstein & Co. will carry on the business in Patterson's old flower stand, corner Market street and Liberty avenue.

At a late visit to the greenhouses of F. Britenbaugh & Brother, at Bennett, Pa., your correspondent saw a very fine lot of fuchsias which are worthy of some note. The "Little Beauty" variety, which was originated by them, is again in big demand this season.

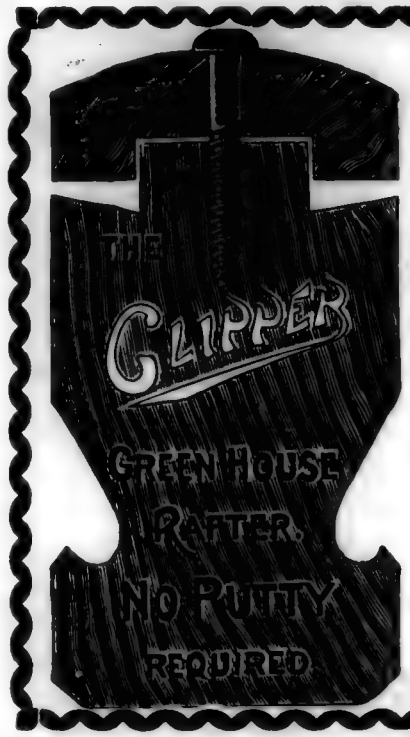
Visitors: Mr. D. Corbin, the violet specialist, of Philadelphia, and Mr. M. Rice, of M. Rice & Co., Philadelphia.

L.

FLORAL CALENDARS.

We have received from Mr. D. B. Long, Buffalo, N. Y., some completed specimens of his floral calendars for 1898, the designs for which have been already described in these columns. They are certainly very handsome. Another neat idea of Mr. Long's is a small blotter, upon the back of which appears the calendar for the current month. This bears the card of a retail florist who has evidently used these blotters for distribution to his customers. It ought to be a very effective advertisement, both blotter and calendar being useful and worthy of preservation.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
Cut Strings, 8 to 10 Feet Long, 50 cts. Each.
Shipped to any Part of the Country.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

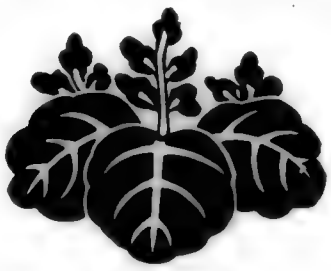
With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars or Estimates.

Lockland, Ohio.

FOR THE TRADE ONLY.

TRADE  MARK

We import all kinds of Japanese Bulbs Plants and Seed, and have our own Nurseries and Farms in Japan. We expect large shipments of Lilium Auratum L. spec. album, rubrum Melpomene Cycas stems and Maples. Prices on application.

SUZUKI & IIDA,

No. 15 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

HARDY ROSES, C. H. JOOSTEN, Importer, 193 Greenwich St., NEW YORK.

Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.

MOUND CITY CUT FLOWER CO.

Wholesale Commission Florists

1322 PINE ST. ST. LOUIS, MO.

Consignments Solicited.

Special Attention paid to Shipping Orders.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET

ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.



ASPARAGUS PLUMOSUS 50c. a String

SMILAX 10c. a String

ROOTED CUTTINGS

We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them.

SEND IN YOUR ORDERS NOW.

...ROSES...

Brides
Bridesmaids
Meteors
La France

$1.50 Per Hundred.

DO NOT WRITE FOR OTHER KINDS FOR WE DO NOT GROW THEM.

We shall have abundance of nice Plants later in the season.

...CARNATIONS...

	Per Hundred	Per Thousand
Triumph	$3.00	$25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store....88 Wabash Ave., Chicago, Ill.
Long Distance 'Phone Main 223.

WARREN, O.

At the recent funerals of two very prominent citizens the floral offerings were very numerous and elaborate, many being sent here from other cities. One of the handsomest arrangements was a thirty-inch crescent wreath of Meteor roses and Roman hyacinths on a background of fancy ferns, and finished with Asparagus plumosus.

Trade is not as brisk as to be wished but I think there is some improvement.

The wholesale plant trade has not started much yet. Buyers are apt to hold orders back till the last moment. When ordered too late the plants are apt to lack time for recovery before planting out time.

The blizzard of two weeks ago did very little damage here. Only a few lights of glass were broken, though the wind had a velocity of 70 miles an hour.

Mr. A. T. Hoyt is now able to be about again. He expects to drop greenhouse work and devote his entire time to developing his hot water heating system. He has received many letters from prominent florists since the note appeared in The Review.

A gentleman asked me recently if I had seen any prosperity badges. Upon my answering in the negative he showed me a large patch on the seat of his trousers. Many of us have had these badges this winter. But we look forward to better things at an early date. MUM.

Among the floral tributes sent to the funeral of the mother of President McKinley was one arranged by Mr. Geo. W. Gaskill, of Warren, Ohio, which was a wreath of lilies and roses, and which was so much admired by the president's wife that she directed that it be sent to her apartments, and it was sent to Washington. This was certainly quite a compliment to Florist Gaskill.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivalling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

Seedlings and Cions

APPLE GRAFTS Of Apple, Cherry Pear and Plum

Low Prices. Send list of wants to

D. S. LAKE, - - Shenandoah, Iowa.

WRITE US FOR ILLUSTRATED CATALOGUE.

WINTER & GLOVER

HIGH GRADE **Cut Flowers**

Properly packed and promptly forwarded.

FULL LINE OF WIRE DESIGNS AND FLORISTS' SUPPLIES.

21 Randolph St., CHICAGO.

TELEPHONE 1496.

A. L. RANDALL

Don't Forget

.....that we are at the old number, 126 Dearborn Street. Write for special quotations on large orders.

126 DEARBORN STREET, CHICAGO

Wholesale Florist.

W. E. LYNCH,

...Wholesale Florist...

The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices.

19-21 Randolph St., CHICAGO.

E. G. AMLING,

Wholesale Cut Flowers

Consignments Solicited. Prompt Attention to Shipping Orders.

51 Wabash Ave., - CHICAGO.

ROGERS PARK FLORAL CO.

Wholesale Growers of

CUT FLOWERS.

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, - CHICAGO.

A. G. Prince & Company

Telephone .....Main 3208

Agents for..... HINSDALE ROSE CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES

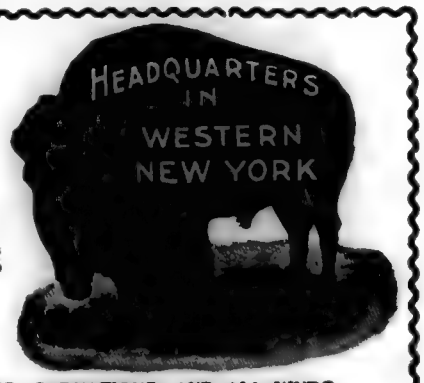
88 and 90 Wabash Ave., - Chicago

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Florists' Review

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GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING

Wholesale Commission Florist...

495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

BOXES

New Model, Practical Florists' Delivery Boxes

LIGHT AND DURABLE

Made of Wood and Lined with Oil Cloth

WRITE FOR PRICES.

G. MORIN, 125 W. 25th St., NEW YORK CITY.

IT'S A MISTAKE

TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up to date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

SEND FOR CATALOGUE.

Always mention the Florists' Review when writing advertisers.



WHOLESALE CUT FLOWERS

Florists' Supplies
Florists' Seeds
Spring Bulbs

.....SEND FOR CATALOGUE

All the Leading Varieties in Carnation Rooted Cuttings.
We have a fine lot of Cattleya Trianæ, now in stock, $6.00 per dozen.

Best Varieties of Young Roses in 2½-in. Pots.	
Fine well cured Pearl Tuberose Bulbs, per 1000	$7.50
Extra fine mixed Gladiolus Bulbs, per 1000	12.50
Fine mixed Gladiolus Bulbs, per 1000	7.50

Vaughan, McKellar & Winterson, 45-47-49 Wabash Avenue ...CHICAGO...

"No Specialties, We Handle Everything."

We Carry Extra Fancy Stock of all Varieties of Flowers all the time.

ROSES, CARNATIONS, VIOLETS, ORCHIDS, VALLEY, HARRISII, HYACINTHS, TULIPS, Etc.

TRAENDLY & SCHENCK,

Wholesale Florists, 38 W. 28th STREET,

Telephone 961 18th. NEW YORK CITY.

AZALEAS For Easter Blooming

We have an immense stock of all the best varieties; fine shapely plants, well budded 10 to 12 inch crowns, $4 per doz., $30 per 100; $7 per doz., $50 per 100.

Double Golden Dwarf Marguerite Cuttings, by mail $1.50 per 100.

WHITTON & SONS,
Wholesale Florists, City & Green Sts., Utica, N. Y.

GERANIUMS

Rooted cuttings, comprising all the principal colors, mixed, $1.00 per 100. We also have a lot of transplanted cuttings that are nicely started in soil. Persons ordering cuttings can have half their order filled with these while they last. Our cuttings are mostly double varieties. Cash with order.

Money Order Office, H. B. WEAVER & BRO.
Lancaster, Pa. Wheatland Mills, Lanc. Co., Pa.

WOODEN LABELS FOR FLORISTS AND NURSERYMEN.

Being located at the head center of this country for WHITE PINE LUMBER, we are able to buy our stock right, and furnish our customers with goods of the best quality, and at prices which will put them at your station lower than the lowest. Our factory is thoroughly equipped and turning out promptly the most uniform, smooth and best painted goods made in this country, put up in neat packages, guaranteed full count and nicely crated. Send for samples and prices.

WOODEN GOODS CO.,
83 Western Avenue. MINNEAPOLIS, MINN.

Greenhouse Boilers

Expert Advice and Plans Furnished.

HENRY W. GIBBONS,
136 Liberty St., NEW YORK.
Catalogues Free.

Always mention the Florists' Review when writing advertisers.

NEW YORK MARKET.

Week Ending February 12th, 1898.

American Beauty, fancy, extra long stem, each	40c to 65c
American Beauty, extra, each	20c to 30c
American Beauty, culls and ordinary, per 100	$2.00 to 10.00
Brides, 1st, per 100	4.00 to 6.00
Brides, 2d, per 100	1.50 to 3.00
Bridesmaids, 1st, per 100	4.00 to 6.00
Bridesmaids, 2d, per 100	1.50 to 3.00
Meteors, 1st, per 100	4.00 to 6.00
Meteors, 2d, per 100	2.00 to 3.00
Testouts, 1st, per 100	4.00 to 6.00
Testouts, 2d, per 100	2.00 to 3.00
Morgans, 1st, per 100	4.00 to 6.00
Morgans, 2d, per 100	1.50 to 3.00
Cusins, 1st, per 100	4.00 to 6.00
Cusins, 2d, per 100	1.50 to 3.00
Perles, per 100	2.00 to 3.00
Carnations, per 100	.75 to 2.00
Carnations, fancy, per 100	3.00 to 6.00
Valley, per 100	1.00 to 2.00
Roman Hyacinths, per 100	.75 to 1.00
Harrisii, per 100	6.00 to 8.00
Violets, per 100	.40 to .75
Paper white Narcissus, per 100	1.00 to 2.00
Cattleyas, per 100	25.00 to 35.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 3.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	6.00 to 10.00
Asparagus, per 100	50.00
Purple Lilac	40c to 75c per bunch
White Lilac	$1 per bunch

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

Thursday and Friday last saw large increase of stocks owing to softness of weather. In many cases keeping quality was affected and prices showed a tendency to drop somewhat. With Saturday's increased volume of business accumulated stocks worked off and Sunday found things back in the same old shape. There has been no change since except perhaps to intensify the situation.

Roses, carnations and, in fact, all stock are really first-class, but in exceedingly short supply. The greatest drawback is the tendency to cut before really fit for market.

Brides and Daybreaks have been the prominent short lines.

Weather is now clear and sunny for the first time in a long while and relief should, in a measure, be in sight. Immediate long lines are not probable, however, for some time yet to come.

The volume of business has increased greatly over corresponding period of last four years and indications point to a general healthy condition, not merely local, but widespread.

SOCIETY OF AMERICAN FLORISTS.

President W. F. Gude has appointed the following gentlemen to serve on the Executive Committee of the Society of American Florists: For two years, Mr. Edmund M. Wood, Natick, Mass.; for three years, Messrs. John H. Taylor, Bayside, N. Y., W. W. Coles, Kokomo, Ind., and E. H. Cushman, Euclid, O.

WM. J. STEWART, Secretary.

NEW ORLEANS.—The New Orleans Horticultural Society will hold its annual spring exhibition April 1, 2 and 3.

GALAX LEAVES AND... ....LEUCOTHOE SPRAYS

GREEN AND BRONZE

Of all wholesale florists—or write the introducer for free samples and information.

HARLAN P. KELSEY, 1150 Tremont Bldg. Boston, Mass.

Always mention the Florists' Review when writing advertisers.

JOHN I. RAYNOR

FIRST-CLASS **Flowers**

IN ANY VARIETY AND QUANTITY.

Prompt attention to Shipping Orders.

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SAMUEL S. PENNOCK Wholesale Florist

1612-14-16 Ludlow St.

PHILADELPHIA, PA.

CUT ORCHIDS OUR SPECIALTY.....

We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.

MacDONALD & McMANUS, WHOLESALE FLORISTS,

50 WEST 30TH STREET, NEW YORK.

WM. C. SMITH Wholesale Florist

CONSIGNMENTS OF CHOICE STOCK SOLICITED

40 South 16th Street, PHILADELPHIA.

LONG DISTANCE 'PHONE 5008 A.

Our central location enables us to fill out-of-town orders at short notice.

PALM SEED

A List of All Varieties upon Application.

J. L. SCHILLER, 404 E. 34, New York

ROSE HILL NURSERIES,

JUST ARRIVED!

COCOS WEDDELIANA,

$7.50 per 1,000; 5,000 lots, $36.00.

SIEBRECHT & SON, New Rochelle, NewYork.

New York Office, 409 Fifth Avenue.

5,000 Smilax From flats, by mail, 50c per 100, $1 per 1,000; from 2-inch pots, $1.50 per 100, $13 per 1,000; from 3-inch pots, $3 per 100. Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

Always mention the Florists' Review when writing advertisers.

MEET US AT THE OLD STAND ALWAYS OPEN

Millang & Co.

Wholesale Commission Florists,

48 W. 29th Street, NEW YORK.

Between Broadway and Sixth Avenue

WM. J. BAKER,

WHOLESALE CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

EDWARD REID,

WHOLESALE FLORIST,

1526 Ranstead St., PHILADELPHIA, PA.

Consignments of only the best Stock solicited.

SELAGINELLA EMILIANA.

5,000 plants of the above for sale in good condition. 2½-in. pots at $4.00 per 100; 3½-in. pots at $8.00 per 100; 5-in. pots at $15.00 per 100.

WM. E. DOYLE,

(Formerly Hovey's.) 1509 Cambridge Street, Cambridgeport, Mass.

E. H. HUNT

WHOLESALE CUT FLOWERS

SUPPLIES, SEEDS, TOOLS AND BULBS.

Seasonable Flower Seeds.

BEST STRAINS ONLY. SEND FOR PRICE LIST.

76-78 Wabash Ave., CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking Effect Feb. 17, 1898.

Subject to Change Without Notice.

We are headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary Selected Stock	per 100,	$1.50—2.00
Extra	"	3.00—
ROSES.		
Beauties, long	per doz.,	6.00—
" medium	"	3.00—
" short	"	1.25—2.00
Brides	per 100,	6.00—8.00
Kaiserin	"	6.00—8.00
Maids	"	6.00—8.00
Meteor	"	5.00—7.00
Perles	"	4.00—5.00
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum, short supply	per 100,	1.00—
Common Fancy	per 1000,	1.50—
Smilax	per doz, $1.25; per 100,	10.00—
Ivy Leaves	"	.50—
Galax	per 100, 15c., per 1000,	1.25—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
Fresh stock always on hand.		
MISCELLANEOUS.		
Forget me not	per 100,	$1.00—
Marguerites	"	.75—
Mignonette	per bunch of 25,	.50—
Callas	per doz.,	1.50—
Harrisii	"	1.50—2.00
Romans	per 100,	2.00—3.00
Paper White Narcissus	"	3.00—
Valley	"	2.00—4.00
Violets	"	.75—1.00
Tulips	"	3.00—4.00
Daffodils	"	2.00—3.00
Freesia (extra select, stiff stem, finest in market.)		3.00—4.00

All other seasonable stock at market rates.

Special Attention Given to the Shipping Trade.

Above prices are for good stock. Extra Selected and inferior quality will be charged according to its value.

ASTERS, VERBENAS ....AND PANSY SEED

Trauffauts Pæony-Flowered Perfection in separate colors; pure white, light blue, rose and white, and bright red. ¼ oz., 50c.; 1 oz., $1.50; or 1 oz. of the four colors for $5.00.

Princess or Snow Ball (Aster), pure white. ¼ oz. 75c.; 1 oz., $2.50.

Mammoth Verbena; 100 colors, mixed. ¼ oz., 30c., 1 oz., $1.00.

Mittings' Pansy, large flowering, choice. ¼ oz., $1.00; 1 oz., $4.00.

....PLANTS....

Alternanthera, Aurea Nana, and P. Major, 2¼ inches, strong, $2.00 per 100; $15.00 per 1000.

300 Robin Hood Carnation Cuttings, spare, strong and healthy; large scarlet at $3.00 per 100.

500 Mrs Chas. Duhme, at.....$4.00 per 100

500 C. A. Dana, at..... 4.00 "

2000 Wm. Scott, at $1.00 per 100, $7.00 per 1000.

5000 Coleus, 20 choice bedders, 2¼ inches, at $1.50 per 100.

Lycopodium Denticulatum. 2¼ inches, $2.00 per 100.

Our Growers' Trade List Now Ready.

The Morris Floral Co.,

MORRIS, ILL.

FERNS

In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

CHAS. T. DARLING,

Stony Brook, L. I., N. Y.

Always mention the Florists' Review when writing advertisers.

New White Chrysanthemum Frank Hardy

Facts more eloquent than words C. S. A. awards highest of the year. New York 95 points, Boston 94 points, Chicago 93 points, Philadelphia 89 points. First prize, white in strong competition at Boston and Philadelphia shows, and certificated wherever shown. The ideal commercial and exhibition bloom. **Price**, 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand. Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

STAR CHRYSANTHEMUM NOVELTIES

Wm. H. Chadwick—the grandest white yet produced.
The Yellow Fellow—winner $100, Stearns' Bicycle Prize.
Madeline Pratt—"as pretty as her picture."

DISTRIBUTED MARCH 1ST BY LEADING FIRMS AND THE GROWER..... **GROVE P. RAWSON**

30,000 DAHLIAS.

Before ordering your Dahlia Stock, be sure and send for my Catalogue.



Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

Box 382. **W. W. WILMORE, Denver, Colo.**

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PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 100; 50 per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

CHAS. L. MARSHALL,

67 Merrimac St., - - Lowell, Mass.

ROCHESTER, N. Y.

Market Resume.

Prospects for continued flourishing business are good, advance orders covering several weeks are in, consequently everybody is in good humor. Though for two days, while the storm lasted, but little trade was going on outside of party and funeral work, all flowers in the market were used up very clean. Shipments from out of town were cut short, shippers being afraid of the cold, perhaps, otherwise much more stuff might have been disposed of. Now, however, the supply has improved materially, but not beyond the ordinary every-day demand, and as to the meager supply of roses, we may well term it an everlasting source of annoyance all around, for no change for the better has yet set in. Tulips and other bulbous stuff are getting very plenty, but prices hold out good. An abundance of carnations come in daily, yet they sell at a very good figure and have not declined since last quotations. Both smilax and asparagus are getting scarce again in the last few days. Valley is none too plentiful, but miscellaneous stock is in fairly good supply.

An Accident.

Fred Schlegel, Jr., of F. Schlegel & Sons, has been on the sick list and was confined to the house for a week or ten days. He is now able to be around again, but Mrs. F. Schlegel, of the same firm, met with a very painful accident last week. While out sleighing one of the runners caught in the car tracks while the horse was going at a good speed, and, turning a corner, the sleigh was upset, throwing the occupants, two ladies, on the ice-covered pavement. Mrs. S. sustained a fracture of the collar bone, but in spite of demonstrations made by the few men who assisted in holding the horse and righting the sleigh, she was determined to drive home without the help of men. We are glad, however, to report that she is now improving, and hope that the plucky old lady may recover speedily her usual good health. K.

...BAKER'S...

NEW CARNATIONS

Grown and Tested Five Years.

ONEIDA pure pink, no trace of purple, rust proof, perfectly healthy, good grower, continuous producer, blooms of largest size.

RED JACKET bright red, of largest size, healthy, no rust, continuous producer, long stiff stems, never bursting calyx.

$10.00 Per Hundred.

Orders booked now to be shipped in rotation as fast as rooted.

CHAS. F. BAKER, Utica, N. Y.

SIMMONS'

New Light Colored CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM

104 South 13th Street, Philadelphia.

FIREFLY!

A Rust-Proof Carnation for Business.

Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.

Geo. Hancock & Son, Grand Haven, Mich.

SMILAX FINE STRINGS 12 1-2 CENTS

A. J. BALDWIN, Newark, Ohio.

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

Carnations

Rooted cuttings of both standard varieties and novelties at popular prices

....I CAN PLEASE YOU

S. J. Reuter, Westerly, R. I.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

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EARLIEST FRENCH CHABAUD CARNATION. New hardy class, combining the perfection of flowers of the Perpetuals, with the earliness of Margaret carnations, blooming seven months after being sown. Price per pkt., 35 cts.

GIANT PERPETUAL CARNATION. An improved class of Chabaud Carnation; very large flowers of excellent shape. Per 100 seeds, 75c.

BENARY'S FINEST MIXED NON PLUS ULTRA, saved from flowers of finest quality only. Price per 100 seeds, 50c.

VERBENA. SUPERB MAMMOTH MIXTURE. This strain has been grown from carefully selected stock of named sorts, all large flowering varieties. Price per pkt., 25c.; per oz., $1.50.

ALLEN'S DEFIANCE MIGNONETTE. The best Mignonette in the market. Price per pkt., 25c.; per oz., $1.00.

STUMPP & WALTER CO. High Grade Florists' Flower Seed & Bulbs. **50 Barclay St., N. Y.**

When Writing Mention Florists' Review.

"THE PINK OF PERFFCTION,"

"WARD'S CARNATIONS."

GENERAL MACEO, MRS. G. M. BRADT, BONTON,
GOLDEN NUGGET, JOHN YOUNG,
WHITE CLOUD, BLUSH, MRS. JAMES DEAN,
NEW YORK, FLAME.

I handle the above flowers, also extra selected Beauties, Bridesmaids, Meteors, Brides, "Up the Hudson," Violets, and all stock in and out of season.

JOHN YOUNG, Wholesale Florist,

Long Distance Telephone 646 38th St. **51 W. 28th St. NEW YORK.**

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FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

RICHMOND, VA.

With the thermometer registering 10 degrees above zero, I stepped into the store of W. A. Hammond and found that gentleman busily engaged upon a pretty wreath of Scott carnations and mignonette. The carnations were stemmed with their foliage and were very pleasing. This was considered almost too fine for a drummer. He deserves immortelles.

On my way to the estate of the late Major Ginter, I looked in at the houses of Mr. Hammond, who is noted for his Beauties (maids as well as roses). This year he has not grown so many as usual and regrets the fact, as the demand has been very good. One house in which Beauty was carried through the summer is planted with sweet peas, which will be in flower about three weeks later. While the double violet has not done so well as usual, this being the first season Lady Campbell has gone back on Mr. Hammond, the single varieties have been even better than former seasons and in excellent demand; total sales much in advance of former years. Two houses, each 22x 200 feet, were recently added for roses and carnations.

Speaking of carnations reminds me that I saw at Mrs. Rehder's, Wilmington, a bunch of Alaska looking as bright as if freshly cut, and was informed they were received from the Quaker City six days before, a proof of its great keeping qualities.

Entering the Ginter place upon the wing of a regular norther I found Mr. Henry Hughes, the capable superintendent, gathering some luscious tomatoes, and as this vegetable is being grown for profit by many of the craft, I took some notes of what are considered the best kind for forcing. They are: Best of All, Eclipse, Lorillard—in the order named. Cucumbers are raised extensively, the varieties being Telegraph and Rochford's Covent Garden. The mushroom is forced in a house near the boilers, which are Hitchings, which firm last year built the handsome range composing vinery, rose house and octagon shaped palm house. This addition, with the glass already on the place, covers a considerable area. Much of the product is supplied to the palatial Hotel Jefferson. The garden surrounding this beautiful place reminds one of "Bibber's" description of that charming spot upon which he first gazed and upon whose memory its impressions are so indelibly fixed. W. M.

NEW
GARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

WM. SWAYNE,
Box 226. Kennett Square, Pa.

Carnations

New Carnations

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida
(Cape Jasmin.)

3-in. pots, 8 to 10-in high, $3 per 100, $70 per 1000.
25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.
5,000 Olea fragans, 12 to 15-in., $12 per 100, 18 to 20-in., 15 per 100.
Oranges, best sorts grafted, 15-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.
Crotons, 3-in. pots, $10 per 100.
Send for Trade List. Address

P. J. BERCKMANS
AUGUSTA, GA.

INSURE AGAINST FIRE IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y,
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BEGONIAS.

	Per 100
Ricinifolia, 2½ inch	$3.00
Alba Picta, 2½ inch	2.00
M. de Lesseps, 4 inch	8.00
Argentea Guttata, 4 inch	5.00
Argentea Guttata, 2½ inch	2.00
Rex (in variety), 3 and 4 inch	6.00
Standard Varieties, 2½ inch	2.00

Stock sure to please. Cash with order.
GEO. L. MILLER, Newark, Ohio.

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Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.

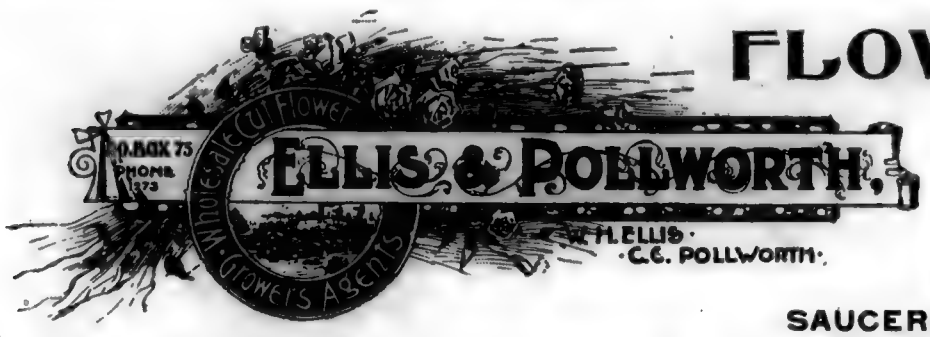
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Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.
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Now is the time to get your Spring supply.

STANDARD POTS
Height and width inside.

		Per 1000			Per 1000		Per 100
2	Inch	$3.50	4	Inch	$ 7.50	9 Inch	$ 7.00
2½	"	4.00	5	"	12.00	10 "	8.75
2½	" 3 in rose	4.50	6	"	19.50	12 "	18.00
3	"	5.00	7	"	43.00	15 "	40.00
3½	"	6.00	8	"	60.00	17 "	60.00

Special Prices on Large Quantity or Car Load Lots.

SAUCERS.
Plain or Fancy Saucers.

4 Inch Saucers, per 100	$0.50	9 Inch Saucers, per 100	$2.50		
5 " " "	.75	10 " " "	3.00		
6 " " "	1.00	12 " " " per doz	.70		
7 " " "	1.25	15 " " "	1.50		
8 " " "	2.00	17 " " "	2.00		

FERN DISHES.
(Earthenware.)

6 Inch Fern Dishes, per 100	$3.00
7 " " " "	3.60
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12 " " " "	8.00

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ELLIS & POLLWORTH, Milwaukee, Wis.

EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send for Illustrated and Descriptive Price List of Evelina and Other Novelties.

R. WITTERSTAETTER, Sedamsville, O.

Experiences With Carnations

The next number ready March 1st, will be cultural as well as descriptive, and sent free to all applicants

I Guarantee all Cuttings sent out and offer a Special Guarantee to all buyers of

FLORA HILL and TRIUMPH.

ALBERT M. HERR, - Lancaster, Pa.

LAGER & HURRELL

Growers and Importers of



ORCHIDS

Correspondence Solicited

SUMMIT, - - N. J.

Standard Cannas

STRONG DORMANT ROOTS, TWO AND THREE EYES.

Paul Marquant, 1500	per	100,	$2.50
Alphonse Bouvier, 500	"	"	3.00
Chas. Henderson, 200	"	"	3.00
Sarah Hill, 1200	"	"	3.00
Flamingo, 800	"	"	4.00
Mme. Crozy, 1500	"	"	3.00
Duchess de Montmort, 1000	"	"	2.00

CASH WITH ORDER.

C. E. UTLEY, Warsaw, Ind.

. . 7000 Rooted Cuttings Sold and Delivered of . .

TAILBY'S New Scarlet Carnation Wellesley.

The most brilliant colored and Prolific Carnation of the day. Unequalled for constitution and habit of growth, stem and calyx, flowers measuring from two to three inches across. It is endorsed by the leading Boston Florists. The blooms sold for $8 per 100, wholesale, at Christmas. Flowers selling at present for $4 per 100, wholesale.

ROOTED CUTTINGS NOW READY.

Price, $2 per doz.; $10 per 100; $75 per 1000.

FOR SALE BY

J. TAILBY & SON, WELLESLEY, MASS.

H. F. LITTLEFIELD, WORCESTER, MASS.

YOU CAN HAVE PLANTS RIGHT AWAY OF THE

NEW PINK... ...CARNATION **Mrs. Frances Joost**

Price, $2 per doz.; $10 per 100; $75 per 1000. Cash with Order.

C. BESOLD, MINEOLA, LONG ISLAND, N. Y.

ESTABLISHED 1866 **EMIL STEFFENS** SUCC. TO N. STEFFENS. AND STEFFENS BROS.

MANUFACTURER OF

FLORISTS WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

CHARLESTON, S. C.

This city is one of the keys to the so-called sea islands, where a vast quantity of truck is raised chiefly for the New York market. The quantity of seed sown is enormous. In conversation with Mr. McIntosh, a member of the firm of W. McIntosh & Sons, I was informed that his firm alone has this season handled one thousand bushels of peas, in addition to vast quantities of beans, etc., one cotton planter planting 180 bushels. The peas are sown after the crop of cotton is taken off, the cotton stalks acting as support for the haulm. After the pea crop is gathered the whole is ploughed under for manure. The varieties First and Best, Extra Early and Alaska are most popular. The usual time for a crop is sixty days.

Owing to the mildness of the climate the florist cannot depend alone upon the legitimate, so is either a jobber, seedsman or undertaker, all of which harmonize. W. M.

CATALOGUES RECEIVED.

W. Atlee Burpee Co., Philadelphia, seeds; same, manual of thoroughbred live stock and fancy poultry; Wm. Elliott & Sons, New York, seeds; W. W. Wilmore, Denver, Colo., dahlias, cannas, gladiolus, paeonies; Wm. Swayne, Kennett Square, Pa., new and standard carnations; American Bulb Co., Short Hills, N. J., bulbs, palms, ferns, flower seeds; E. G. Hill & Co., Richmond, Ind., plant novelties, also standard varieties of roses, carnations, cannas, geraniums, chrysanthemums, etc.; Conard & Jones Co., West Grove, Pa., seeds, bulbs and plants; Nanz & Neuner, Louisville, Ky., seeds, plants, bulbs and nursery stock; L. E. Archias & Bro., Carthage, Mo., seeds, bulbs, plants, florists' supplies; C. H. Joosten, New York, plants, bulbs and roots; Reasoner Bros., Oneco, Fla., native and exotic plants, trees and shrubs; same, wholesale winter trade list; Peter Henderson & Co., New York, seeds, plants, bulbs, implements, insecticides, etc.; J. L. Schiller, New York City, seeds, bulbs and plants; W. J. Godfrey, Exmouth, Devon, England, choice chrysanthemums; F. Sander, St. Albans, England, florists' orchids.

The WM. H. MOON CO.

Morrisville, Bucks Co., Pa.

Offer for Spring 1898, an immense stock of

DECIDUOUS TREES, EVERGREENS, FLOWERING SHRUBS and VINES

In great variety, of all sizes. We note especially

12,000 **Dahlias,** whole roots.
10,000 **Ampelopsis Veitchii.**
10,000 **Clematis Paniculata.**
20,000 **Wichuriana, Crimson Rambler and Prairie Roses.**
500 **Actinidia Polygama,** new climber.
5,000 **English Ivy,** long tops.
25,000 **Honeysuckles, Matrimony Vines, Wistarias,** etc.
100,000 **California Privet,** 1 and 2 years.

Trade List on application. Correspondence solicited.

M. RICE & CO.

...IMPORTERS AND MANUFACTURERS OF...

Florists' Supplies

CYCAS LEAVES, IMMORTELLES,
WHEAT SHEAVES, our specialty. BASKETS OF ALL KINDS,
"VIOLET HAMPERS" entirely new.

Prices on Application.... 25 N. 4th St., Philadelphia, Pa.

E. G. Hill & Co., Richmond, Ind.

FLORA HILL, $5 per 100, $40 per 1,000.

EVELINA, - - - $10 per 100 ✻
WHITE CLOUD, - $10 per 100 ✻
PSYCHE—flaked white, ✻
PAINTED LADY—red, ✻

TWO GRAND WHITES OF 1898. TRY THEM.
$10 per 100.
Two Fine Commercial Sorts.

Our trade list is issued; it you have not received it, send for a copy. New **Cannas,** new **Geraniums,** new **Roses;** all the new **Chrysanthemums** of the year.

E. G. HILL & CO.

KLONDIKE Gold Fields at Your Door.

GERANIUMS grown in soil in flats, ready to shift into 3-in. pots, $15.00 per 1,000. S. A. Nutt, Beaute Poitevine, Mrs. E. G. Hill, Van Dale and Robt. Brett: the same in 2½-in. pots, $20.00 per 1,000. Standard sorts, such as Double Grant, Bruantii, La Fayette, La Favorite, Le Pilot, Glorie de France, Hoff Beach, Wonder, Mrs. J. M. Gaar, Jules Ferry, Centaureau, and others, $12.00 per 1,000; in 2½ in. pots, $18.00 per 1000. Mountain of Snow, in 2½-in. pots, $2.50 per 100. Mme. Salleroi, in flats, $1.25 per 100; $10.00 per 1000.

DOUBLE PETUNIAS. Dreer's strain, from flats $1.50 per 100; $12.00 per 1000.

ROOTED CUTTINGS. Vincas, variegated, $1.50 per 100; $12.00 per 1000. Anthemis Coronaria, Double Golden Marguerite, $1.50 per 100. Salvia Splendens, $1.00 per 100. Coleus, assorted, 2-inch pot, $15.00 per 1000; rooted cuttings, $1.50 per 1000; C. Verschaffeltii, Golden Queen, $18.00 per 1000; rooted cuttings, $6.00 per 1000.

Ageratum, blue and white, 75c per 100, $6.00 per 1000. Fuchsias, the standard sorts, $1.50 per 100, $12.00 per 1000. Feverfew Little Gem, $1.00 per 100, $9.00 per 1000. Selection of sorts to remain with us. Cash to accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

GOOD STOCK!!

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $6 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (2-in.), $20 per 1000.

GENISTA RACEMOSA. 4-in., fine stock, $10 per 100 STOCK A. No. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, Ohio.

LILY OF THE VALLEY

Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Verbena, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves. Station X. **Chicago.**

Geraniums. October Struck

2½ in. in best named varieties; in flats in best named varieties; rooted cuttings of Geraniums, Heliotrope, Salvia, Petunia, Coleus, etc., grown only on contract. Write for prices.

GEO. W. GASKILL,

212 North Tod Avenue, - Warren, Ohio.

Mention the Florists' Review when writing advertisers.

MONEY MAKERS — CAKE WINNERS

ORDER THEM AT ONCE

THE COTTAGE GARDENS SET OF

ALL ARE FULLY DESCRIBED IN OUR JANUARY, 1898 PRICE LIST.....,

NEW CARNATIONS

NEW YORK
(Ward), a bright cerise-pink.

WHITE CLOUD
(Dorner), a free-blooming, long stemmed white.

BON-TON
(Blake), a bright scarlet, fine stiff stems.

JOHN YOUNG
(Ward), fine fringed white, Scott habit.

MRS. JAMES DEAN
(Ward), a pure clear pink.

GOLD NUGGET
(Dorner), a fine deep yellow, early and free.

....WHAT THE DEALERS SAY....

NEW YORK, 1898.

MR. C. W. WARD, Dear Sir:—Your carnations are a grand lot. You should grow more of them. I have no hesitancy in saying that I can sell all of these varieties that you can grow. New York and Mrs. James Dean are the finest pink carnations I have ever handled. White Cloud and John Young are two grand whites and have proved fine keepers. Gold Nugget beats all the other yellows. Mrs. Geo. M. Bradt is the best variegated carnation that comes on the market to-day. Bon-Ton is a grand scarlet and Maceo is the best dark carnation that I have ever seen. All are good keepers and are satisfactory to my customers, and have sold regularly at from $3 to $8 per 100. I am free to say that you have the finest collection on the market this season.

Very truly, JNO. YOUNG.

CITY HALL CUT FLOWER MARKET, 15 Province St.
WELCH BROS., Proprietors.

BOSTON, Dec. 27, 1897.

MR. F. A. BLAKE, Dear Sir:—We received the highest price for your Bon-Tons of any carnations coming to Boston. We sell them for $6 per 100. Ship us all you can.

Signed, WELCH BROS.

TRY THEM

Price, $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

Also Mrs. Bradt, Duhme, Flora Hill, Victor, Lily Dean, Mayor Pingree and other standard sorts.

CANNAS 200,000 FINE BULBS

The Grand New Crimson Bedder, President McKinley, 50c. each; $5 per dozen.
The Grand Yellow Bedder, Defender, 50c. each; $5 per dozen.

SPECIAL OFFER

For $15 cash with order 1000 Named Cannas, 10 varieties, 100 of each variety, such varieties as Chas. Henderson, Egandale, Crozy, Queen Charlotte, etc., our selection of varieties. 500 Named Cannas, 10 varieties, 50 of each variety, for $8, cash with order.

GERANIUMS

Special offer to make room. 1000 for $20, cash with order, 100 of each of the following varieties. 500 for $10, cash with order, 50 of each of the following varieties:

Dbl. Gen. Grant, Comtesse de Daune, Mrs. J. M. Gaar, Mrs. E. G. Hill, Leonard Kellway, Marvel, S. A. Nutt, Madonna, Mme. Chas. Molin and Wm. Pfitzer from 2-inch pots.

CHRYSANTHEMUMS

T. H. Spaulding, Frank Hardy, Yellow Fellow, Pennsylvania, W. H. Chadwick, Mrs. C. H. Peirce, Snow Queen, Miss Gladys Vanderbilt, Merry Christmas, Spotswood, etc., at introducers' prices. Rose Owen, Golden Wonder, Golden Trophy, Atkinson, J. H. Woodford, Belle of Castlewood, etc., $5 per 100.
Standard varieties, $3 per 100.

THE COTTAGE GARDENS, ..C. W. WARD.. MANAGER. QUEENS, N. Y.

GRAND RAPIDS, MICH.

Banquet.

The third annual banquet of the Grand Rapids Florists' Club was held at the Eagle Hotel Feb. 1 and was the most successful yet held. In spite of the fact of its being zero weather, there was a full board, and considering the happy "guess I've had enough" expression, worn by all, the affair was indeed a gastronomic success, of which Deacon Johnson might well feel proud. Our worthy president, N. B. Stover, passed round the dessert in the shape of a brief history of the club since its organization on March 19, 1895. The program consisted of recitations, songs and piano solos, and was carried out without a hitch, reflecting great credit on the committee of arrangements, William Cunningham, J. A. Creelman and Eli Cross. The next meeting will be held Tuesday afternoon, Feb. 15, at Alfred Hannah's, on East street, near Burton avenue. The florists will go early so as to inspect the greenhouses before meeting.

PEKIN, ILL.

At a recent wedding in one of the handsome residences of our city the floral decorations were much more elaborate than usual. Smilax was used in abundance, and the roses, Brides and Maids of the celebrated exhibition stock, lately grown under the supervision of Mr. J. A. Nelson, manager of Geo. A. Kuhl's plant, were by long odds the finest ever seen by the guests from home or abroad. P.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St., Long Island City, N. Y.

Kennicott Bros. Co. is the oldest and most reliable wholesale commission cut flower establishment in Chicago.



Genesee Carnation, as Grown Ordinarily for Cut Flowers.

NEW COMMERCIAL **GENESEE** WHITE CARNATION.

Any Florist can grow it. Offered on TESTED MERITS. Descriptive Illustrated Circular Free.

DAN'L B. LONG, Sales Agent, BUFFALO.

WE HAVE 50,000 STRONG, HEALTHY.. **Rooted Cuttings**

Fine Carnations Pay
Poor Ones Don't.
You can't grow fine ones from cheap, poor stock.

Notice the report of the meeting of the Indiana Florists, Jan. 20, and see who got most the awards. Cuttings from our "Prize Winners" will grow you the same kind of stock.

Alaska, Scott, McGowan, Albertini, Kellar	$2.00 per 100, $15.00 per 1000	Triumph, Daybreak, Jubilee, Armazindy, $4 per 100	$3.00 per 100	McBurney, Flora Hill, Mayor Pingree	$5.00 per 100

South Park Floral Co., New Castle, Ind.

100,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR. **J.L.DILLON, Bloomsburg, Pa.**

ALTERNANTHERAS Rooted Cuttings of the 4 best varieties ready Feb. 15.

Geraniums Paul Bruant, in bud and bloom. 2-in., $2.00; 2¼-in., $2.50 per 100.

Begonias in varieties. 2-in., $2.00; 2½-in., $2.50; 3½ and 4 in., $3.50 per 100.

A. J. BALDWIN, Newark, O.

Rooted Cuttings.

American Beauties, Brides, Maids, Vic Kaiserin Perles, Belle Siebrecht, Meteors. Same in 2-in pots ready Feb. 15th to 20th.

Send 50c for samples and get prices. **GEO. A. KUHL,** PEKIN, ILL.

Carnation Cuttings ready Feb. 1.

WHEN YOU WANT THE **BEST**
SEND TO
BASSETT & WASHBURN,
CHICAGO

Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.

Always mention the Florists' Review when writing advertisers.

ECONOMIZE IN FUEL BY USING S. TAPLIN'S

Double Action Clay and Slack Burning Hot Water Boiler.....

Merits I Claim for it over any other Boiler

FIRST. It can be worked with the cheapest kind of fuel. In this case, the fuel consists of clay and hard coal screenings in about equal parts. Such fuel cannot be used in any other boiler to advantage, for the reason that it takes too long before the required heat is given off. This objection is met in my double furnace boiler by arranging the fires alternately, and while one fire is burning up, the other is giving off the required heat.

SECOND. The economy in time required in attending fires. One fire started the first day with part of a charge which is allowed to take fire when the furnace is filled up, requires scarcely any further attention until cleaned out on the third day. Second fire, started on the second day, runs till fourth day, giving each fire forty-eight hours.

THIRD. As one fire is taking care of the boiler, the other is allowed to burn out clean; no partly-burned fuel being wasted, as is so often the case in other boilers.

FOURTH. When fires have burned out, nothing is left in furnace but light, brittle clinkers and dust—the latter making a splendid material for propagating in place of sand; also for mixing with soil for potting, and benches for roses, etc., as nearly all plants like it. The clinkers are much better than gravel or broken brick for making walks; also for concrete for under-ground walls or foundations.

FIFTH. There is no smoke, consequently no soot. The boiler is set in brick-work, with soot doors so arranged that every part can be reached and any dust that settles wiped out in a few minutes, as well when fires are burning as when out, thus avoiding loss of heat by letting fires out to clean flues.

SIXTH. The boiler consists of four-inch water spaces all of which are exposed to direct heat both below and above. No tubes are used, so there is no trouble with replacing tubes every few years, as is necessary in any hot-water boiler that is out of use four or five months in the year.

SEVENTH. Simplicity of construction. It can be easily cast or made of wrought iron or steel, welded or riveted.

EIGHTH.—The same principle can be adapted to special advantage in the construction of steam boilers, where waste or any kind of cheap fuel, such as coal screenings, sawdust, spent tan bark, pressed hay or peat bog, is used. With all such fuel, the fire requires frequent feeding, and every time fuel is thrown in, the fire is deadened by the amount of cold air admitted. Every practical engineer knows the loss of power caused by constantly opening the furnace door.

NINTH. The great power of the boiler. One having over five thousand feet of four-inch pipe, which was in use through the last severe winter, did the work formerly done by three number seventeen and one number fifteen Hitching's boilers, and the cheap fuel used cost less than the hard coal to run one Hitching's number seventeen would have cost for the same time.

TENTH. Where a little warmth is required, as is so often the case for roses, till quite late into summer and very early in the fall, a fire can be started about every three days, and with draft shut off it will keep a steady warmth in the pipes at a cost of fuel and attendance which must be seen to be believed. With other boilers, time and fuel are such important items, that fires are dropped as early as possible and started again in the fall often after mildew has got in its destructive work.

I expect it will be extensively used in Europe, where economy is almost a science.

PATENTS ALREADY GRANTED IN.....

UNITED STATES
GERMANY
CANADA
BELGIUM
ENGLAND
FRANCE

S. TAPLIN, Florist and Nurseryman... 930-1026 W. Fort St., Detroit, Mich.

VERBENA KING.



The largest Verbena grower in the world.

One Million

to offer the following season in 55 of the latest and best mammoth named vars. in cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all parts of U. S. and Canada at 60c per 100; $5.50 per 1000; 5000 for $25; 10,000 for $45; 25, 000for $100. Express prepain.

Heliotropes, rooted cuttings, 10 named varieties, $1 per 100; $8 per 1000. Express prepaid.

Cash Please.

C. HUMFELD,
Clay Center, Kan.

FOR SALE!

SIX SHARES OF STOCK
...IN THE...
American Florist Co.

This stock has sold freely at $100 a share in the past. To close out my interest I offer my remaining six shares at.....

$60 a Share.

Address G. L. GRANT,
520-535 Caxton Bldg., Chicago.

HEADQUARTERS FOR

Vick's Branching Aster — Sweet Peas
New Daybreak Aster — Dahlias — Begonias
Gloxinias — Flower and Vegetable Seeds

VICK'S GARDEN and FLORAL GUIDE for 1898

the pioneer Seed Catalogue of America, is a perfect beauty, the best one we have issued in the forty-nine years of our business. We can honestly say that **It leads them all.** Those interested in the trade would do well to send for a copy of both wholesale and retail at once.

JAMES VICKS SONS, ROCHESTER, N. Y.

TREE PAEONIA

in only Choice Varieties; strong, 4-year-old plants, 50c. each....

Tree Roses, Snowballs, Hydrangeas, Clematis, Paeonia, Rhododendrons, Azaleas, Magnolias, H. P. and Moss Roses.

L. C. BOBBINK, Rutherford, N. J. BRANCH OF THE HORTICULTURAL CO., BOSKOOP, HOLLAND.

GEO. A. RACKHAM, Detroit, Mich.

Wholesale grower of Carnations and Small Ferns.

Rooted Cuttings of Carnations:

New—Mayor Pingree, Victor and Flora Hill, per 100, $5.00, per 1000, $40.00; Jubilee and Emma Wocker, per 100, $3.00, per 1000, $25.00; Meteor and Tidal Wave, per 100, $2.00, per 1000, $15.00; Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50, per 1000, $12.00.

All well rooted. Satisfaction guaranteed or money refunded.

When writing, advertisers mention Florists' Review

SEEDS LAWN GRASS
$12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS.
North-East Corner **Second & Walnut Sts., Cincinnati, O.**
SEND FOR ILLUSTRATED CATALOGUES.

Always mention the Florists' Review when writing advertisers.

MILWAUKEE.

Business Conditions.

Business has been of a steady nature for some time past and supply of stock with exception of extra choice roses is about equal to the demand.

Prices on roses remain about the same with quality somewhat improving. Poor to medium grade run from $2 to $5, and first quality to select, $6 to $8 per hundred; some extra choice go at even better figures. Carnations from bad to good bring from $1 to $3 per hundred. Some fine Valley is coming in and brings from $3 to $4. Violets are quite plentiful and 50 cents per hundred is about average top notch price for good quality.

Notes.

C. B. Whitnall has been nominated for city treasurer on the Social Democracy ticket, but later reports are that he declined to accept the nomination.

Miss Maggie Edlefsen, who has been sojourning in the East, is expected to return soon.

Nic Zweifel, who has been confined to his home for some months on account of sickness, has again made his appearance downtown.

Ellis & Pollworth have enlarged their quarters by cutting out the partition and taking in the neighboring basement, also putting in an elevator and adding a flower seed department to their plant.

GEO. WASHINGTON.

NEW BEDFORD, MASS.

One of the popular blizzards of the West has been extending its arms into forbidden territory of late and more damage has been done than on any previous occasion in past years. All communication with distant cities was cut off and many greenhouses were more or less damaged by the storm.

At the present time of writing we have a labor blizzard on our heads, which is much more disastrous to the trade than the cold blizzard of the West, throwing thousands out of employment. Business is practically stopped and the streets filled with idle men. It is not a very bright prospect for Easter trade. C.

PALMS

For prices see adv. in Jan. 27th issue, Page 413.

JOSEPH HEACOCK,
Wyncote, Phila., Pa.

Rooted Cuttings **Ageratum Monstrosa.** A dwarf variety with blue flowers of enormous size. The greatest improvement of the age in this popular flower. 40c. per doz. by mail, $1.50 per 100 by express. **Vinca Var.** $1.00 per 100. **Salvia Splendens,** $1.00 per 100. **Harrisii Lilies,** surplus stock, just right for Easter, in 5½ and 6-inch pots. Out of pots $18.00 per 100.
WM. M. KIDD, 2984 Atlantic Ave., Brooklyn, N. Y.

..100,000 PALMS..

		Per 100
Areca Lutescens,	4-in. pots, 18 to 20-in.,	$25
Cocos Weddeliana,	3-in. " 6 to 8-in.,	15
Latania Borbonica,	4-in. " 12 to 15-in., 1 to 2 ch. leaves....	15
" "	4-in. pots, 15 to 18-in., 2 to 3 ch. leaves....	20
Phœnix Reclinata,	4-in. pots, 12 to 15-in.,	15
" "	5-in. " 15 to 18-in.,	25

50,000 Amoor Privet, best Hardy Evergreen hedge plant, 2 to 3 feef, $20 per 1000.
20,000 Citrus Trifoliata, best Hardy Defensive hedge plant, 2 years, bushy, $20 per 1000.
Send for Trade List. Address

P. J. BERCKMANS
AUGUSTA, GA.

PEACOCK'S PRIZE.... WINNING Dahlias

ALL THE NEWEST AND BEST VARIETIES.

It pays to buy from the leading grower. We grew more than 26 acres of Dahlias the past season—more than any five (5) other growers in the world combined. Write us for wants and prices before purchasing elsewhere.

Our 1898 illustrated descriptive catalogue, containing 24 pages, many new illustrations and accurately describing all the leading new and old varieties, will be sent to all who received our 1897 list without application. Send for it, it will interest you.

W. P. PEACOCK, Atco, N. J.

By Express Purchaser's Expense. Cash with order.
The following, all good stock, from 2½ inch pots.

	Per 100
Geraniums, fine assortment	$1.75
Chinese Primulas, very fine	2.00
Cineraria, fresh young plants	2.00
Smilax, good stock	2.00
Double Petunias, Dreer's strain	3.00
Begonia Rex, assorted	4.00
Abutilon, 3 varieties	3.00
Begonia Flowering, many varieties	3.50

ROOTED CUTTINGS: Geraniums, Paul Bruant, Lavalee, Mrs. J. M. Garr, St. Peter, Cloth of Gold, S. A. Nutt, Mrs. A. Blanc, Snow Storm, Mme. Salleroi, Scented Geraniums in variety, 90c per 100.

G. W. WEATHERBY,
CHILLICOTHE, - - - MISSOURI.

NEW GIANT ESCHSCHOLTZIAS,
"The Golden West,"
50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Ventur Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea., Cal.

STANDARD FLOWER POTS..

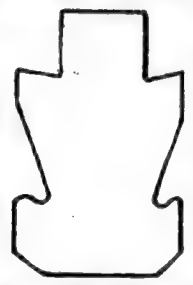
In any quantity, and of the best quality.
Get my price list before ordering elsewhere.

W. H. ERNEST,
Station M, N. E. WASHINGTON, D. C.

ESTABLISHED 1859

THOS. W. WEATHERED'S SON

Horticultural Architect and Builder



Get my Prices on Everything Needful for Erecting or Repairing Greenhouses.

AND send four cents in stamps for my latest catalogue, circulars, etc., showing the best and most economical

BOILERS for heating, from the smallest self-feeding for small conservatories, stores, etc., to the largest sectional for large commercial establishments or public parks.

CYPRESS greenhouse material, free from sap, of all sizes, shapes, etc., as desired, from the smallest sash-bar to the largest sill-plate. Clipper sash-bars as well kept in stock ready for shipment.

DOORS of the best clear cypress, made especially for greenhouse purposes, always in stock.

EAVE-PLATES of Cypress, the very best; all shapes as well as Sills, Ventilating Sash, Ridge, Ridge Cap, Gutters, Purlins, Headers, etc.

FITTINGS of every kind, from the smallest for pipe purlins to the largest for a heavy four-inch greenhouse pipe. Also Valves, Expansion Tanks, etc., always ready for shipment.

GUTTERS of cast iron or of clear Cypress, for outside "ridge and furrow" houses, or any and all kinds. Glazing points of all kinds from the patent to the zinc nails.

HEATING—After forty years' experience, devoting it all to the heating of greenhouses, from a small conservatory to the largest, such as the Schenley Park greenhouses at Pittsburgh, Pa.; Central Park, New York City; Druid Hill, Baltimore, Md.; Prospect Park, Brooklyn, N. Y.; as well as supplying complete heating plants in England and Japan, think you can have sufficient confidence to expend two cents in a stamp and time writing me your wants in that line.

Thos. W. Weathered's Son,
141 Centre Street, New York.

CARNATIONS

Lancaster, Pa., Feb. 11, 1898.

The American Jadoo Co.,
817 Fairmount Ave., Philadelphia, Pa.

Gentlemen:

I have experimented with JADOO FIBRE in a small way for propagating Carnations and find that they root with ordinary care one hundred per cent.

Next season I shall use it almost exclusively for propagating my carnations.

Respectfully yours,
(Signed) ALBERT M. HERR.

JADOO FIBRE AND JADOO LIQUID

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NO COAL BILLS.

A greenhouse has been built in the Yellowstone Park, near a geyser which furnishes hot water for heating, and according to a report in the daily press most remarkable results are attained, including such trifles as "cucumbers ten feet long," etc. What a blessing it would be if every florist could have a geyser at hand. He might have to send his American Beauties to market on a lumber rack, or there might be more money in selling the stems to be used for telegraph poles.

If you grow good stock for the Chicago market you can get the best returns by consigning to Vaughan, McKellar & Winterson.



H. Bayersdorfer & Co.'s
SEASONABLE SPECIALTIES.

Cycas Wreaths
Moss Wreaths
Ferneries and Jardinieres

Norman Style in Sprays, Tinted and Delft.
Tuscan in Sprays, Tinted and Delft. Milan in Sprays.

OUR LEADING NOVELTY: Lace Violet Handkerchiefs

Wheat Sheaves and Immortelles The largest and best stock in America.



NEW CATALOGUE OF ALL FLORISTS' SUPPLIES ON APPLICATION. FOR THE TRADE ONLY.

The Largest Supply House in America.

H. Bayersdorfer & Co.
50, 52, 54 and 56 N. 4th St.,
PHILADELPHIA, PA.





EVANS' Improved CHALLENGE VENTILATING APPARATUS

Write for Illustrated Catalogue
Quaker City Machine Works
RICHMOND, IND.

HARRY BALSLEY SELLS
Those Red Pots
Standards—Full Size and Wide Bottoms,
Bulb Pans and Azalea Pots for the
Detroit Flower Pot Manufactory
490 Howard St., Detroit, Mich.

NIKOTEEN
IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE
DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS. OF TOBACCO IN ONE PINT OF NIKOTEEN
SOLD BY SEEDSMEN - - CIRCULAR FREE -
SKABCURA DIP CO. CHICAGO.
Kill AND SAVE the THE BLOOMS Bugs!
QUICKLY DOES IT.

Burpee's Seeds Grow

AN UNPARALLELED SUBSCRIPTION OFFER.

EVERY one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

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You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

FLORISTS' PUBLISHING COMPANY,

530-535 Caxton Building, - - - CHICAGO, ILL.

Following is the form of certificate we issue to subscribers:

$1.00 $1.00

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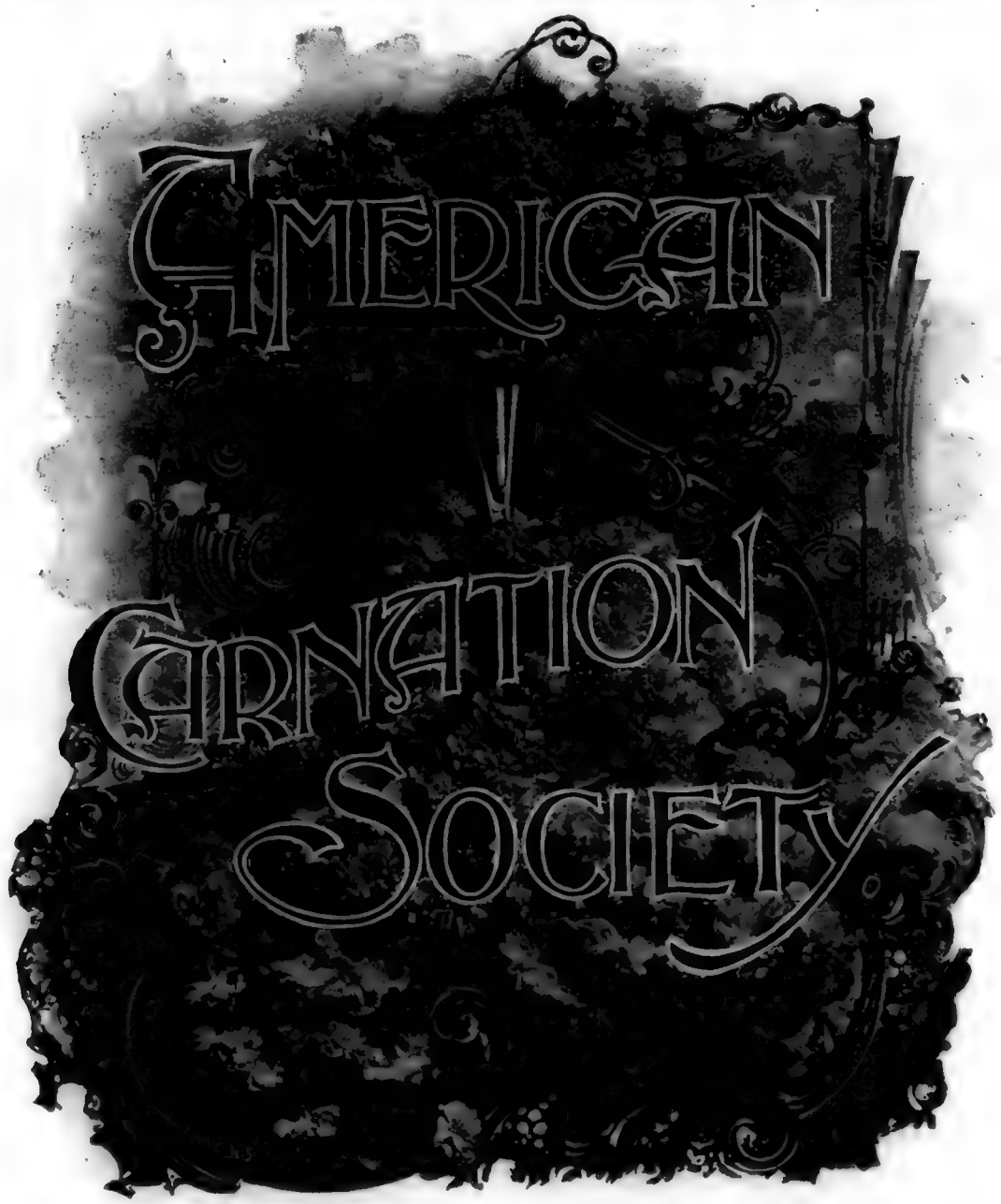
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THE WEEKLY
FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

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THE CHICAGO CONVENTION.

It certainly was a very successful and satisfactory meeting. The sessions were well attended and the interest well maintained. The exhibition was simply superb, and the flowers shown told the progress of the year better than any essay or review. Mr. Scott's statement that it was the grandest exhibition of carnations the world has ever seen was undoubtedly correct. But that the show at Philadelphia a year hence will be even grander, none that has seen the rapid progress of the last few years can doubt. The gigantic strides made in the culture of the "Divine flower" are truly marvellous.

Philadelphia was selected by a unanimous vote as the place for the next convention.

Officers elect are: President, Wm. Nicholson, Framingham, Mass.; vice-president, Wm. P. Craig, Philadelphia; secretary, Albert M. Herr, Lancaster, Pa.; treasurer, Fred Dorner, Jr., Lafayette, Ind.

Changes in the constitution and by-laws were made providing for the calling of special meetings by the president and permitting voting by authorized proxy at such meetings. Also for the selection of judges by a new method. This is an addition to Art. VII., and reads as follows:

"At the first session of the society at which there is an exhibition, the president shall, after consultation with the executive committee, nominate nine members known to be present for judges. The meeting thereupon shall either accept or reject the nominations or call for the nominations of additional names. When nominations shall have been made by the president and accepted by the meeting, nominations shall be closed and the meeting shall proceed to vote for six judges by ballot. The three nominees receiving the highest number of votes shall be the judges to pass on all exhibits at the exhibition of the meeting at which they are elected, and shall award all certificates and premiums. All protests against the decision of the judges shall be filed in writing with the executive committee promptly. In case of protest by a member of this society or an exhibitor, the executive committee shall examine into the matter carefully and if they consider an error has been made shall report to the society with suggestions as to its correction, otherwise they shall confirm the action of

the judges. In all cases of protest no premium shall be paid or certificate delivered until the judges' action is confirmed by the executive committee or the protest has been settled by the society as the case may be."

Changes in the by-laws more clearly define the duties of the secretary and require that he shall give a bond.

The proposed section providing for the expulsion of members detected in dishonest practices at the exhibitions did not carry, the members fearing it might be difficult to exactly determine what would properly come under that head.

President Rudd in his address took an exceedingly hopeful view of the future of the society and of the carnation. He felt that certain desertions from the ranks were a source of strength to the society, as with the deserters had gone intrigue and dissension. Referring to the business depression of the last four years, he expressed the belief that bottom was touched last year and that we are now on the upward grade. He felt that carnations summer grown in the field cannot compete in quality with those grown throughout the season under glass, and that we may look to see the same change take place in our methods of culture as the chrysanthemum grower has had forced upon him.

The treasurer's report showed total receipts during the year of $598.93, and expenditures of $492.61, leaving a balance of $106.32 in the treasury.

In regard to obtaining reduced rates from the railroads, Secretary Herr reported that an effort had been made, but that a considerable initial expenditure would be necessary to pay the expenses of the railroad agent attending the meeting as the representative of the railways and that even then the rate would not be good unless fully 100 purchased tickets on the certificate plan.

A letter from Mr. W. R. Shelmire, Avondale, Pa., recommended some very radical changes in the work of the society, especially as regards the awarding of certificates, but no action was taken at this meeting.

It was presented to the society that the variety Harrison's White and Puritan were one and the same. In the discussion it appeared that Mr. White honestly believed he was disseminating a white sport from Wm. Scott, and that he was led into the error through receiving a lot of plants of Scott in which a plant of Puritan had accidentally been mixed.

Prof. Arthur's essay, printed in this issue, called out a very interesting discussion, in which he ably met several objections urged against his proposed plan of sub-watering. A point in favor of the plan, noted by Mr. Adam Graham, was that there would be much less waste of fertilizers than with surface watering, which resulted in the leaching away of much of the good in the soil without benefit to the plants.

Secretary Herr's suggestion regarding a permanent fund, the interest of the same to be used for advancing the work of the society, and thus do away with the necessity of soliciting the cash for the prizes at the exhibitions, brought out quite a discussion. A fund of sufficient size was deemed out of the question at present, and effort was then directed toward securing a regular annual contribution of $25 from a sufficient number to carry on the work of the society on a larger scale. The following offered to so contribute: Albert M. Herr, W. N. Rudd, E. G. Hill, Wm. Nicholson, Fred Dorner, H. Weber, W. J. Vesey, R. Witterstaetter, W. P. Craig, Wm. Scott, Lockland Lumber Co., W. J. Palmer, C. W. Ward, Adam Graham. The executive committee was instructed to see members not present at the meeting and secure additional names. Later it was decided that any excess over $500 a year in the receipts of the society should be applied to form a sinking fund. It is hoped to in this way give the society some financial back bone.

Mr. Dorner's paper on the introduction of new varieties appears in full in this issue.

An inquiry as to whether any carnation was "rust proof" brought out the general opinion that no variety can be considered absolutely proof against rust.

A committee was appointed to ascertain fully about the Michigan law regarding shipments of plants to that state.

Having the convention, exhibition and hotel accommodations all under one roof was an excellent feature which was much appreciated by the visitors. The banquet was given in the exhibition hall Friday evening after the exhibition had been cleared away, so it was not necessary for those attending to leave the hospitable roof of the great Auditorium Hotel, except to visit the local florists and see the city.

Friday afternoon and Saturday morning parties of the visitors made trips to the establishment of Bassett & Washburn, at Hinsdale, and to Mt. Greenwood to see the plants from which Mr. Rudd cut those splendid blooms of Jubilee, Pingree and McBurney.

Crabb & Hunter, of Grand Rapids, Mich., expected to enter their pink seedling Irene for a certificate, but a few days before the convention some vandals entered the carnation house and carried off nearly all the flowers available and they were unable to make up the required number of good blooms. From the snap in Mr. Crabb's eyes when telling of this aggravating misfortune we judge it would have fared ill with those boys had he caught them.

Harry Balsley's check suit was the admiration of all beholders.



South End of the Hall. Glimpses of the Exhibition of the American Carnation Society.

Some of the adjourned sessions had great substance and lasting qualities.

Professor Wm. Scott does not recognize Puritan as a white sport from his namesake. Says if he sports it must be something good.

The professor is no sport himself, but wasn't he a dream of loveliness in that dress suit at the banquet!

Mr. Geo. A. Rackham, of Detroit, had prepared to make a display at the convention and shipped his flowers, but they failed to arrive. At last accounts the package was still in the hands of the express company.

On Thursday evening bowling teams representing Cleveland, Cincinnati and Chicago, played two games on the Kinsley regulation alleys. The individual scores had better not be mentioned, as many were almost microscopic. The totals were Cleveland 1294, Cincinnati 1455, Chicago 1525. While the scores were not large all participating seemed to enjoy themselves hugely.

THE EXHIBITION.

The morning of the 17th was bright and fair with the thermometer high enough to make us all feel very comfortable. The beautiful banquet hall of the Auditorium is an ideal place for an exhibition of Flora's choicest products, but the fine stained glass windows but time and circumstances forbid "All's well that ends well," and as we heard not a word of criticism about the awards or certificates we must surmise that the hard-worked judges fulfilled their duties to the satisfaction of all. The display was certainly grand and do you realize that the carnation convention just closed brought out the most wonderful, the finest and greatest show of carnations the world has ever

It is worthy of mention that although the hall during Thursday morning was extremely close and warm, and grave fears were expressed that it would be a sorry sight on the morrow, yet with a proper attention to ventilation and a cooling off of the steam, the flowers w.th scarcely an exception showed up fully equal to the first day, and as many of them did duty at Friday night's banquet they



Prize-Winning Vases of Mayor Pingree and Jubilee.



Vase of Empress and General Display. Glimpses of the Carnation Exhibition.

afford a poor medium for admitting the light of day, so electric lights made all brilliant. The different scarlets and reds wore a slightly different shade under this artificial light, but that only enhanced their beauty. The arrangement of the tables and exhibits left nothing to be desired from an artistic point of view, but for fair and correct judging it was by no means a satisfactory arrangement. After the awards, the arrangement could be altered for general effect. The management intended it should be different, seen? If any one should doubt such an assertion let him ask himself the question "Where was it possible there could be anything like it?" certainly not in Europe and assuredly not here in this North America, for the gorgeous varieties did not exist to reflect their beauty into beauty's eyes. The description of the various exhibits that follows was gleaned during a steady march round the hall and we trust nothing escaped our notice. The premiums and awards of certificates will appear elsewhere.

bore out the reputation that properly belongs to the carnation; namely, a durable and lasting flower, unless used in a hall or room that is densely packed with human beings. The hall was at no time crowded and being very lofty the flowers escaped the withering blast that has been often noticeable on similar occasions.

Ward Cup; 24 blooms, 6 half open flowers and 6 buds showing color:—F. Dorner & Sons showed Gold Nugget, a grand flower and likely to be the commercial yellow of the future. George Hancock & Son, Grand Haven, Mich., entered Gold Coin, a medium yellow of self-color; few markings.

Three-Year-Old Seedlings:—Stollery Bros'. (Chicago) Argyle made a fine appearance; large flower and excellent stem. Wm. Swayne's (Kennet Square, Pa,) Empress is an enormous affair; flower of largest size and longest stem in the exhibition, averaging 3 feet. Frank Niquet, Patchogue, N. Y., has a beautiful flower in Maud Adams; a deep pink of fine form. W. J. & M. S. Vesey staged their good red Fort Wayne, R. Witterstaetter, Sedamsville, O., staged Evelina. It is a beautiful white, as near perfect as we have yet seen a carnation and looked as fresh and unrumpled as growing on the plant. If it develops no serious fault as a grower it must become a universal favorite.

Vase of 100 Blooms:—This class brought out the richest display. The size and mass of blooms were stunning. E. G. Hill & Co. exhibited Jubilee and

Flora Hill. John Burton, Chestnut Hill, Philadelphia, showed Alba Superba, a white with grand stems and medium sized flowers. W. P. Craig, Philadelphia, showed a vase each of Flora Hill and Lily Dean, both in excellent order after their long journey. W. N. Rudd, Mt. Greenwood, Ill., made four fine exhibits in this class. They were Jubilee, Flora Hill, Mayor Pingree and Mrs. McBurney. All four of them were of extraordinary excellence of these well known varieties, but Mrs. McBurney is not so well known. It ranks with the largest in size and stem and is of a smooth, uniform soft, light pink; but pink does not describe it, fawn would be nearer. It will be heard ed 50 Daybreak. Wm. Murphy, Cincinnati, staged a vase of good-sized Portia, which we all have known so long that it seems to belong to that class we grew "befo' de waa." W. N. Rudd's exhibit in this class was a fine lot of Jubilee. F. Dorner & Sons Co., with C. W. Ward, of Queens, N. Y., exhibited jointly a fine lot. They were Dazzle, a bright, useful scarlet; White Cloud; New York, a beutiful cerise pink; John Young, a fine white; Mrs. James Dean and Uncle John. The latter was really fine; if we could grow Uncle as it was shown, there would be less demand for the new ones. W. P. Craig exhibited a vase of Jubilee. R. Witterstaetter's exhibit consisted of



Table of the South Park Floral Co. Glimpses of the Carnation Exhibition.

of more frequently in the future. F. Dorner & Son, Lafayette, Ind., had three vases of superb flowers, Gold Nugget, White Cloud and the beautiful solid, substantial, but awkwardly named Mrs. Bradt; everybody must grow Mrs. Bradt. J. Breitmeyer & Sons, Detroit, Mich, had three vases; one Mayor Pingree, one an unnamed crimson and 100 blooms of a dark pink, all flowers of great excellence. H. Weber & Sons, Oakland, Md., staged vases of McBurney, Triumph and Mrs. Bradt. There were no excuses for their long ride. They were grand flowers in fine order. Wietor Bros., Chicago, staged a fine vase of Armazindy.

Vase of Fifty Blooms:—In this class competition was keen and brought out a fine display. The South Park Floral Co.'s (New Castle, Ind.) exhibit consisted of Armazindy, Jubilee, Albertini, Lizzie McGowan, and Alaska. The older varieties as well as new were in fine form. E. G. Hill's exhibit included Flora Hill and Armazindy; needless to say Flora was at her best. A. Sunderbruch's Sons Co., Cincinnati, O., showmagnificent flowers of Evelina. H. Weber & Son exhibited Storm King (a fine white), Eldorado, Hector (a grand scarlet; if you can grow it), Jubilee, Scott, Buttercup and Daybreak. H. N. Higinbotham exhibited a vase of fine old Tidal Wave.

Twenty-five Blooms; Varieties Sent Out in 1897:—F. Dorner & Sons Co. showed in this class Mrs. C. H. Duhme and Mrs. Bradt. It was noticeable in this exhibit that Mrs. Bradt held up its wonderful flowers erect; as erect as the dignity of the worthy man who raised it. Queen of the West, a light pink of the Emma Wocher shade, was shown by Sunderbruch's Sons. Mrs. Bradt and Ruby (a red) by Wm. Murphy. Flora Hill by H. Weber & Sons, and by W. N. Rudd, Flora Hill and Mrs. McBurney.

For Special Premiums:—W. N. Rudd exhibited a grand 100 blooms of Flora Hill. For the Breitmeyer prize of 50 Pingree Mr. Rudd was also to the front with splendid flowers. The same grower also showed the best 12 Pingree.

Preliminary Certificates: — Entered for these were far more than last year at Cincinnati. J. Tailby & Son, Wellesley, Mass., brought their seedling Wellesley, a bright scarlet with good stems, but the flower had suffered from its long ride on a sleeping car. In fact you may say it had made a proper use of the car. Peter Fisher, of Ellis, Mass., showed a vase of Mrs. Thomas Lawson. This is a magnificent rosy pink flower of largest size with fine stem. It was one of the very best flowers in the exhibition and looked as if it had just been picked next door. E. G. Hill's exhibit in this class was no less than 4 varieties, all scoring high. America is a light scarlet, fine flower. Scarlet Queen is also a fine bright scarlet. Arbutus is a beautiful flower of the Daybreak shade, and Prima Donna is a silvery pink. As the schedule did not call for an exhibit of plants 75 points out of a possible 90 gained a certificate. F. Dorner & Son exhibited a vase of G. H. Crane, but whether it was for a two or three years' certificate, I am not sure. It will not, however, be sent out this year. It took the eye of every one. It is a large scarlet of finest form and color, good stem, and has all the attributes of a high class standard scarlet carnation.

There were a number of seedlings, several of great promise, exhibited under name and number as the following list will show: Barnd Sisters, Findlay, O.; Olive Snyder (crimson); R. Witterstaetter, Opal, Daybreak shade, but deeper in center, also unnamed seedlings. There were three sports of Tidal Wave shown, all varying in some degree from the type; one by John T. Tonner, of Galewood, Ill., one by J. Murchie, Sharon, Pa., and another named Evanston grown by M. Wieland, Evanston, Ill. F. Dorner & Sons Co. showed a very full deep pink of great fragrance, labeled No. 82 and 44, a pure white finely fringed. H. Weber & Son had half a dozen seedlings; some very pretty shades. E. G. Hill showed two unnamed; one a very fine dark red. C. W. Ward exhibited Blush, white with blush center, also Brower, a seedling of Daybreak; a fine pure white flower.

There were several fine exhibits of carnations not entered for competition. D. B. Long, of Buffalo, staged 3 vases of Genesee, raised by Harmon & Burr, of Darien, N. Y. While this cannot be called a large flower, when shown by the side of Flora Hill, it is of such purity and substance and excellent stem, that it showed up fine, and it was noticeable that on the second day it was better than on the first. C. F. Baker, of Utica, N. Y., showed his two seedlings Red Jacket and Oneida, the former a fine red, the latter a pure pink of good size. They scarcely showed up in their best form, not having been well packed. Hall & Sons, Clyde, O., showed Sandusky, a fine striped variety. H. Neimeyer, Erie, Pa., exhibited Snow Queen, of medium size, also a light unnamed scarlet. Hugh Graham, of Philadelphia, staged a vase of Victor which was scarcely

AWARDS ON SEEDLINGS.

The seedlings were judged by the scale of points indicated below. In the first year seedlings entered for preliminary certificates a plant is not required to be shown and therefore only 75 points are required to win a certificate. In the three year seedling class those scoring 85 points or over are entitled to a certificate.

ENTERED FOR PRELIMINARY CERTIFICATES.

	Color	Size	Calyx	Stem	Substance	Form	Fragrance	Plant	Total
The Scale	**15**	**15**	**15**	**15**	**10**	**10**	**10**	**10**	**100**
Mrs. Thos. Lawson, pink (Fisher)	15	15	15	15	10	10	5	00	85
Wellesley, scarlet (Tailby)	10	10	15	12	8	8	5	00	68
America, dark red (Hill)	12	14	15	13	9	8	9	00	80
Arbutus, light pink (Hill)	15	14	15	14	9	8	5	00	80
Scarlet Queen, scarlet (Hill)	15	15	12	13	10	10	5	00	80
Prima Donna, pink (Hill)	15	13	14	10	8	8	5	00	73

THREE-YEAR OLD SEEDLINGS.

	Color	Size	Calyx	Stem	Substance	Form	Fragrance	Plant	Total
The Scale	**15**	**15**	**15**	**15**	**10**	**10**	**10**	**10**	**100**
Maud Adams, pink (Niquet)	14	12	14	13	10	10	7	*	80
Empress, crimson (Swayne)	15	15	13	15	10	10	10	8	96
Evelina, white (Witterstaetter)	15	15	14	15	10	10	5	10	94
Ft. Wayne, red (Vesey)	12	13	14	13	8	10	4	6	80
Argyle, pink (Stollery)	15	14	14	14	10	9	5	10	91
G. H. Crane, scarlet (Dorner)	13	15	15	15	10	10	5	9	92

*Plant not shown.

as fine as the grand vase shown last year at Cincinnati; the journey had told on it. R. Witterstaetter showed a vase of Evelina which were cut January 31 and February 1, and were still in most excellent condition. Mr. C. W. Ward's fine vase of Bon Ton attracted much attention. It is not of extra size, but every flower as perfect as a pompon dahlia, of a bright scarlet, fine stem and well named, for it is an aristocratic finished flower and will be widely grown. Mr. W. had also a vase of Glacier, a pure white. There is something in the art of packing, for all of Mr. Ward's exhibits were as perfect and fresh as if just emerging from his cellar. His vase of 50 White Cloud were perfect. Somewhere we saw a vase of J. Breitmeyer & Son's Cerise Queen. Its name implies its color, it is a large, fine flower.

Besides the carnations there were several displays which added much to the general effect, and for which the committee in charge were doubtless very grateful. Messrs. Bassett & Washburn, Hinsdale, Ill., filled a tab e with a beautiful show of roses and carnations. There were extra fine (the word is not strong enough) vases of Bride, Bridesmaid and Meteor roses, Jubilee, Pingree, Mrs. Bradt and Mary Wood carnations. Mary Wood is a beautiful flower, pure white with a blush center. George A. Kuhl, Pekin, Ill., made an exhibit of Belle Siebrecht rose, great color, size and substance; also vases of Bride and Bridesmaid which were far above the ordinary, and vases of Jubilee and old Tidal Wave looking unusually beautiful in form and color.

W. W. Coles, Kokomo, Ind., brought along a fine bunch of Kaiserin Augusta roses and an 8-foot American Beauty which he used to keep the flies off the flesh colored carnations. George & Allen, Cincinnati, made an exhibit of miniature hyacinths, tulips, Meteor roses and lily of the valley. J. A. Peterson, Cincinnati, showed a bunch of Princess of Wales violets of great size and stems eleven inches long. South Park Floral Co. exhibited 2 vases of magnificent Brides and Bridesmaids roses. Swan Peterson, Gibson City, Ill., made an exhibit of Marie Louise violets. They were fine in size and color. John H. Sievers, San Francisco, sent a number of seedlings, 18 varieties, all in good order, many of them of great size and substance. Among them was one named Hanna Hobart (seedling of three years). This was the largest individual carnation in the hall.

Last, but oh my, not least, was a large vase of the new rose Mrs. Robert Garrett grown and exhibited by H. Weber & Sons, Oakland, Md. It would take a rose enthusiast to properly and adequately describe this queen of a queenly race. It has a grand stem, is of great size, beautiful leaves, and could be called a silvery pink of the Carnot shade, but much deeper in color. The writer has never seen it growing, but as exhibited it is all things considered the most beautiful rose we ever saw, and if Mr. Weber gets any advertising out of the free show he deserves it, for it was a charming sight.

In nooks and corners, and here and there a group, were scattered some nice palms which made the beautiful hall look cosy and thus endeth the 7th annual display of the Carnation Society. Perhaps better are to come, if so they will be wonderful, indeed. It is good that the evolution of Dianthus Caryophyllus is gradual like all true evolution. If Jubilee, Flora Hill, Pingree or Evelina had been thrust upon us suddenly fifteen years ago we should have collapsed with a sudden attack of Dianthus monstrosis.

Kathleen Pantlind, as shown by Hopp & Lemke, E. Grand Rapids, Mich., was certainly a very attractive flower.

THE AWARDS.

The awards on seedlings will be found herewith in tabulated form.

Of the special premiums, the Breitmeyer prizes for 50 Mayor Pingree and 12 of same variety, both went to W. N. Rudd, Mt. Greenwood, Ill. The Hill prize for 100 Triumph was won by H. Weber & Sons, Oakland, Md. The Hill prizes for 100 Flora Hill were awarded, first to W. N. Rudd, second to W. P. Craig, Philadelphia. The Ward silver cup for best yellow or yellow variegated seedling not yet distributed was won by F. Dorner & Sons Co., Lafayette, Ind., with Gold Nugget.

Other special exhibits noted by the judges were vases of extra Bridesmaid, Meteor and Bride roses, a vase of very fine mignonette, and vases of carnations Mrs. Bradt, Jubilee and Mary Wood, shown by Bassett & Washburn, Chicago; vases of fine Bride and Bridesmaid roses, shown by the South Park Floral Co., New Castle, Ind.; bunch of Marie Louise violets from Swan Peterson, Gibson City, Ill.; vases of extra Belle Siebrecht, Bride and Bridesmaid roses, shown by Geo. A. Kuhl, Pekin, Ill.; eighteen varieties of carnations of great size and substance (including Hanna Hobart, dark pink, the largest flower in the exhibition hall) from John H. Sievers, San Francisco, Cal.; vase of magnificent blooms of the new pink rose Mrs. Robt. Garrett, from H. Weber & Sons, Oakland, Md.; a very fine bunch of the Princess of Wales violet (stem eleven inches long and flowers of great size), from J. A. Peterson, Cincinnati, O.; lily of the valley, Keiserskroon tulips and Meteor roses, from George & Allen, Cincinnati; vase of very fine Kaiserin roses from W. W. Coles, Kokomo, Ind. The judges making above awards and those on seedlings were Messrs. Wm. Scott, Adam Graham and Wm. Nicholson.

In the following general classes the judges were Messrs. E. H. Michel, E. G. Gillett and W. W. Coles.

Vase 100 white, first, E. G. Hill & Co., with Flora Hill; second, F. Dorner & Sons Co., with White Cloud.

Vase 100 light pink, first, W. N. Rudd, with Mrs. McBurney; second, H. Weber & Sons, with same variety.

Vase 100 dark pink, no award.

Vase 100 scarlet, first, E. G. Hill & Co., with Jubilee; second, W. N. Rudd, with same variety.

Vase 100 yellow, first, W. N. Rudd, with Mayor Pingree; second, F. Dorner & Sons Co., with Gold Nugget.

Vase 100 crimson, first, J. Breitmeyer & Sons, with Meteor.

Vase 100 white variegated, first, F. Dorner & Sons Co., with Mrs. G. M. Bradt.

Vase 100 Lily Dean, first, Wm. P. Craig.

Vase 100 Armazindy, first, Wietor Bros., Chicago.



Gold Nugget.

In the classes for 50 blooms, the South Park Floral Co., New Castle, Ind., won on Alaska, Helen Keller and any other pink lighter than Scott (with Albertini); H. Weber & Sons on Hector, Scott, Daybreak, Eldorado and any other yellow (with Buttercup); E. G. Hill & Co. on any other white (Flora Hill), and Armazindy; Wm. P. Craig on Jubilee; Wm. Murphy, Cincinnati, on Portia; James Hartshorne, Joliet, Ill., on Tidal Wave. For 50 scarlet F. Dorner & Sons won with Dazzle. For 25 blooms pink, lighter than Scott, introduction of 1897, W. N. Rudd won with Mrs. McBurney. For 25 any other color, F. Dorner & Sons Co. won with Mrs. G. M. Bradt.

THOSE PRESENT.

Among those present at the convention were the following:

Wm. Scott, Buffalo.
W. J. Palmer, Buffalo.
D. B. Long, Buffalo.
Adam Graham, Cleveland.
Herman Hart, Cleveland.
S. Pentecost, Cleveland.
Jas. Eadie, Cleveland.
Geo. Smith, Cleveland.
W. P. Craig, Philadelphia.
S. S. Skidelsky, Philadelphia.
V. Groshenz, Philadelphia.
C. W. Ward, New York.
Alex Wallace, New York.
H. C. Rath, New York.
D. McRory, New York.
H. Weber, Oakland, Md.
W. Weber, Oakland, Md.
Albert M. Herr, Lancaster, Pa.
Wm. Swayne, Kennett Square, Pa.
E. G. Gillett, Cincinnati.
R. Witterstaetter, Cincinnati.
Ben George, Cincinnati.
E. H. Giesy, Cincinnati.
A. Sunderbruch, Cincinnati.
J. A. Peterson, Cincinnati.
Wm. Murphy, Cincinnati.
H. Williams, Cincinnati.
W. Schuman, Cincinnati.
Geo. S. Bartlett, Cincinnati.
G. Scheibley, Cincinnati.
J. Baer, Cincinnati.
Fred Breitmeyer, Detroit.
F. Holznagle, Detroit.
Geo. A. Rackham, Detroit.
Harry Balsley, Detroit.
W. Langstaff, Indianapolis.
W. Bertermann, Indianapolis.
E. G. Hill, Richmond, Ind.
J. A. Evans, Richmond, Ind.
Fred Lemon, Richmond, Ind.
J. S. Stuart, Anderson, Ind.
J. A. E. Haugh, Anderson, Ind.
F. Dorner, Sr., Lafayette, Ind.
F. Dorner, Jr., Lafayette, Ind.
Prof. J. C. Arthur, Lafayette, Ind.
W. J. Vesey, Ft. Wayne, Ind.
J. H. Vesey, Ft. Wayne, Ind.
Wm. Nicholson, Framingham, Mass.
W. W. Tailby, Wellesley, Mass.
E. H. Michel, St. Louis.
J. F. Schray, St. Louis.
W. H. Kruse, St. Louis.
Geo. M. Kellogg, Pleasant Hill, Mo.
Henry Smith, Grand Rapids, Mich.
Geo. F. Crabb, Grand Rapids, Mich.
Geo. Hopp, Grand Rapids, Mich.
J. G. Hancock, Grand Haven, Mich.
Otto Sylvester, Milwaukee.
N. Zweifel, Milwaukee.
E. Haentze, Fond du Lac, Wis.
T. C. Joy, Nashville, Tenn.
Jos. Coenen, Louisville, Ky.
Geo. Bayer, Toledo, O.
John Willius, Danville, Ill.
W. W. Coles, Kokomo, Ind.
C. A. Shannon, Princeton, Ind.
J. D. Carmody, Evansville, Ind.
Swan Peterson, Gibson City, Ill.
Jos. Heinl, Jacksonville, Ill.
A. Mitting, Morris, Ill.
C. E. Gullett, Lincoln, Ill.
Alfred Bauer, Rockford, Ill.
G. E. Hunt, Terre Haute, Ind.
J. M. Clark, Des Moines, Ia.

THE BANQUET.

The banquet hall of the Auditorium Hotel was a beautiful sight as the members of the American Carnation Society entered it Friday evening. The manager of the hotel said the decorations were decidedly the handsomest ever seen in the hall, and in it have been held many famous feasts. Along the speakers' table were placed very tall trumpet bases of superb carnations, including the prize-winning vases of Jubilee and Mayor Pingree, while between were long plateaus of other flowers, including American Beauty, Bridesmaid, Bride and Meteor roses, in addition to one of the single trumpet narcissus arranged with its own foliage and bordered with tulips. Similar plateaus appeared on the other tables, interspersed with smaller vases of carnations. The plateaus were contributed by Mr. E. Wienhoeber and were arranged by Mr. John Gormley. Placed in appropriate positions were groups of palms sent by Mr. Geo. Wittbold. Mr. P. J. Hauswirth, chairman of the committee, is certainly to be warmly congratulated on the effectiveness of the decorations.

After the menu had been disposed of, the Toast Master, after a few words of welcome to the guests, proposed a toast to the American Carnation Society and called upon President W. N. Rudd to respond. Mr. Rudd spoke glowingly of the work that has already been accomplished by this comparatively young society and saw great possibilities in the future. He felt that each convention had been an improvement upon its predecessors and he predicted that the Philadelphia meeting would show still further advance. His remarks were received with long continued applause.

The Society of American Florists was next toasted and ex-President Adam Graham, of Cleveland, Ohio, responded in his usual impressive manner. He looked upon the American Carnation Society as one of the most progressive children of the mother organization and he gloried in its progress and success.

President-Elect Wm. Nicholson was then called upon to respond to the



Some High Grade Blooms. Glimpses of the Carnation Exhibition.

sentiment, "The Philadelphia Meeting." He expressed the belief that in the Eastern carnation belt would be held one of the greatest conventions of the American Carnation Society and assured all that he would spare no effort on his part to insure the continued progress of the society.

The "Future of the Carnation" was the subject assigned Mr. E. G. Hill, and, if all the good things he predicted for the "Divine Flower" are realized, the carnation will certainly hold a very high position among the flowers of the future.

"The Whole Thing" was the comprehensive subject assigned to Mr. William Scott and he was equal to the demands upon him. He fairly outdid himself and made an address which will go upon record as the most instructive and entertaining one ever delivered by him, which is saying a great deal.

"Insuring the Carnation" was treated by Mr. W. J. Vesey, secretary of the Florists' Mutual Fire Association, and he told those present some interesting facts regarding the insuring, not of the carnation, but of the houses that contain them.

Mr. E. H. Giesy was called upon to use "The Voice of Prophecy." He complained that all the material for prophecy had been used by the previous speakers, but managed to make some very effective points just the same.

Mr. John Thorpe spoke to "The Old and The New" and told of the varieties which he had brought with him from Europe in the sixties and compared those with the magnificent varieties seen in the exhibition hall at this convention.

A toast to "The Horticultural Societies" was responded to by Mr. W. H. Chadwick, president of the Horticultural Society of Chicago, with a very witty address in which he fully sustained the reputation of Chicago for not being over-modest in its claims as to size and importance. Referring particularly to the exhibitions given in this city, he attributed their success largely to the interest which had been awakened among the amateurs in this city and pointed out that their moral and financial support was necessary to make such exhibitions successful.

Mr. C. W. Ward spoke of "The Carnation in Greater New York" and told of the progress that had been made in securing an adequate price for carnation flowers of extra grade, and cheered his hearers by telling of sales of high-grade carnation blooms in certain seasons of the year at as high as $10.00 a hundred.

Mr. Fred Dorner spoke briefly to the toast "The Divine Flower." He considered the carnation one of the most beautiful flowers grown and believed that it appealed more generally to the hearts of the people than any other.

Secretary Albert M. Herr spoke of the progress that had been made during the past year and expressed the greatest confidence as to the future.

A toast to "The Horticultural Press" was responded to by Mr. Alex Wallace of the Florists' Exchange. He believed that the horticultural press had been an important factor in the progress of the carnation through its reports of what had been accomplished by the various growers and through spreading to the whole trade reports of the work of the Carnation Society.

Mr. R. Witterstaetter spoke of "The Carnation in Ohio." He admitted that Ohio did not stand so high on the roll as its sister state of Indiana, but held that the "Buckeye" state was doing its share towards the advancement of the carnation.

Mr. J. S. Stuart spoke of "The Carnation in Indiana" in a very entertaining and witty address. He felt that Indiana stood very near the top of the list in carnation culture and spoke in particular of the great work accomplished by Mr. Fred Dorner.

The subjects were interspersed with singing by the Chicago Florist Club's Quartette, composed of Messrs. C. W. McKellar, E. F. Winterson, E. H. Kissell and Chas. Balluff. The quartette was a decided feature of the entertainment and it was well that the boys had an extensive repertory, as they were obliged to respond to numerous recalls.

The party dispersed at 12:30 A. M., all feeling that they had spent one of the most enjoyable evenings of their lives.

MOISTURE THE PLANTS GREATEST REQUIREMENT

By Prof. J. C. Arthur.

[Read before the Chicago Convention of the American Carnation Society.]

That which is most common usually provokes least attention. The fact that water is connected with all kinds of life, that it is a universal solvent, and that it is taken up freely by organisms, and evaporated from their surfaces in large amounts, encourages indifference toward the subject rather than excites interest. Water hides under no disguises; it is always seperable and recognizable; it does not partake of the mysteries of the food supply.

The man who undertakes to protect plants from the accidents of outdoor life by housing them under a canopy of glass, becomes the step-parent to nature, and will succeed best when he most fully understands the needs of the charges intrusted to his care. It does not follow that the greenhouse cultivator is to imitate nature in her methods of supplying the wants of the plant; more economical, more direct, and more efficient methods are often possible, and in fact are often necessary to secure commercial success.

Because out of doors it rains on the just and unjust alike is no reason why the florist should drench everything within his houses daily. Overhead watering under glass may be a good imitation of nature, but it is not necessarily the way to bring about the result the florist has in view, healthy plants with a maximum development of flowers. The watering pot and its substitute, the spray nozzle, are to

be considered primitive implements, which are to be laid aside as soon as improved methods can be devised. A move in this direction has been made by carnationists in using a modified nozzle and applying the water to the soil without wetting the foliage.

It is because the carnationists have shown themselves progressive, and willing and ready to test promising innovations, that I venture to advocate to-day a radical change in watering the greenhouse, and one that requires some expense to inaugurate. I remember with pleasure the reception of my paper before this society at its Buffalo meeting, in which I suggested watering carnations between the rows and keeping the foliage dry as far as practicable.. Although the wraith of the red spider seemed to hover over the assembly and threaten grave disaster to such a course, yet the suggestion was tested, approved, and under various modified forms became a part of standard carnation culture. I now come before you to advocate watering the benches from beneath the soil and practical abandonment of surface watering and spraying. It is sometimes called sub-irrigation, but a better term is sub-watering.

The essential feature of this method, which was originated at the University of Ohio, and has been tested in a number of places for various glass-grown vegetable crops, consists of a water tight bench with a layer of open material on the bottom through which water moves readily, and the filling of the bench completed with soil in the usual manner. The bench is kept moist by supplying water to the porous layer beneath, from which the soil takes it by capillarity. No water is applied directly to the soil, and all use of the nozzle is done away with. Before giving the working details of this method, I wish to call attention to some of the reasons why watering plants should be considered a matter of great importance and worthy of the most careful study.

In the first place, every plant, generally speaking, consists of three parts of water to one part of all other kinds of substances. This proportion is quite universal for all living things. It is equally true of trees, grasses, mosses and moulds. It also holds for animals. A cabbage plant and the body of a dog do not vary much in the proportion of water to solids.

Immature organs contain more water than when matured. Although the water in a whole carnation plant—roots, stems, leaves and flowers—amounts to about 75 per cent of the total weight, yet in the young shoots, such as would be suitable for cuttings, it rises to 90 per cent, and in the half-formed leaves is even greater yet. If we remember that the chief growth of the plant takes place in the parts where the largest amount of water occurs, we shall be reasonably safe in inferring that water is a very essential factor in growth.

It has been ascertained, in fact, that the tissues must not only be saturated with water, but they must be supersaturated—that is, contain so much water that every cell is distended with the pressure—before growth will proceed. Each cell must be stretched by the internal pressure of the water, as a toy balloon is distended by the air forced into it. It is this by no means inconsiderable tension that renders young parts firm and brittle, and when it is removed they wilt. No appreciable growth can take place in leaves and stems that are wilted, or in a wilted condition. In the carnation the cell structure is so compact and the walls so rigid that the loss of water is often very considerable before visible wilting takes place. At this point lies a danger, for the plants may suffer for water for some time before the attendant notices their condition. With ideal treatment the plants should never wilt, and never lack for water to enable them to grow.

Not only must a certain amount of water be present in the plant to secure its active development, but a stream of water must be passing through the plant constantly, from the roots to the leaves. This upward flow of water is essential to most plants. It is the means of taking in the various fertilizing materials, or food substances, from the soil, and transporting them to the upper parts of the plant, where they enter into the solid structures forming the tissues. The root hairs on the fine roots suck in the soil water and its burden of nutritive material and force it forward into the larger roots and the stem with pump-like activity, so long as the water is available. The leaves dispose of the water by allowing it to escape from their surfaces as an invisible vapor, leaving behind all substances held in solution.

In some instances the water passes out through any part of the surface, but there are always stomata—minute openings, sometimes called breathing pores—which permit it to escape much more readily. The carnation has the surface of all green parts, both stems and leaves, overspread with a layer of white wax, which is impervious to moisture. All transpiration must therefore be through the stomata. These openings are very numerous, there being from 100,000 to 500,000 on every leaf. Unlike most plants, the carnation shows no material difference in the minute structure of the upper and lower surfaces of the leaves. They contain no spongy tissue, and have the stomata distributed evenly throughout, both above and below. If one should look through glasses that magnified as much as a common microscope, the leaf would appear to be thickly studded with round openings, like little wells, and peering into one, some ways below the surface would be seen a double valve that automatically opens and closes, much as the lids open and shut to permit or prevent the passage of substances into the mouth. These are the guard cells, and when they are shut, little or no moisture can pass out or in. There are two conditions especially under which the stomata are closed; the first is when the plant wilts. This is a fortunate arrangement, for it tends to prevent loss of moisture at a time when the roots for some reason are no longer able to supply the needs of the plant. The second condition closing the stomata is when water is dashed over the plant. A drop falls into each opening and causes the guard cells to swell until they effectually fill the passage. It matters not how much water the roots are taking in at the time—the whole water system of the plant is clogged, and development is retarded.

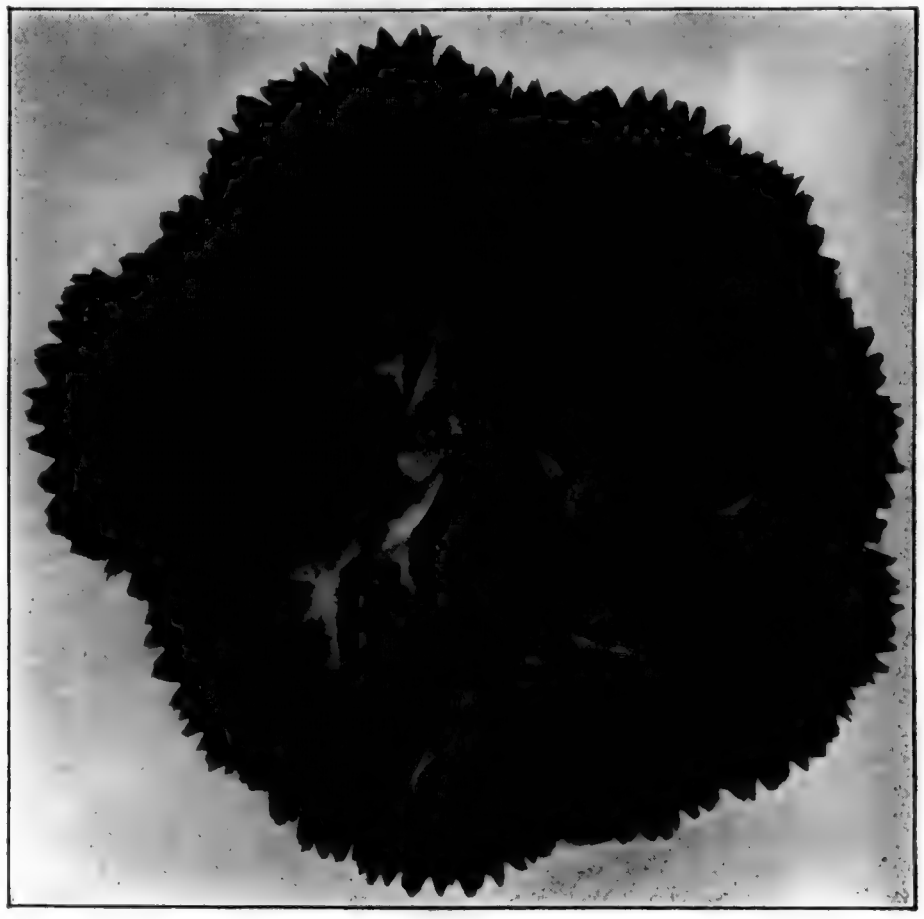
Sometimes the movement of water through the plant is stopped even when the stomata are open; for when the atmosphere is saturated it is evident that evaporation from the plant must necessarily come to a standstill. Perfect saturation of the atmosphere is probably rare, even in a closed greenhouse, but partial saturation must in a measure check the internal water stream, and in so far must be detrimental to the best development of the plant.

If there is anything that the structure of the carnation plant and the known functions of the organs clearly teaches, it is that there should be a never failing supply of moisture for the roots and a fairly dry atmosphere for the foliage. I venture to say that these conditions cannot be better met than by sub-watering. The present method of surface watering, even when most skillfully done, probably never gives the plants the full amount of water they would use. The soil is alternately too wet and too dry, and besides often suffers from a lack of water at the bottom of the bench, although the surface seems wet enough. The difference between the amount of growth when an ample and constant water supply is provided, and that secured from the usual surface method of watering, is always a source of astonishment when fairly tested, and the results clearly set forth. I have no data to present in growing carnations, by the new method of sub-watering, and will not detain you with figures taken from crops of vegetables, but that the carnation will respond to this method, as have other plants, there can be no doubt.

One other point needs mention in this connection. The physical character of the soil has much to do with successful cultivation. Some writers maintain that it is quite as important an item as the food supply. With sub-watering, the soil remains light and friable, readily permeated with oxygen from the atmosphere, easily penetrated by roots, and at all times in the best of condition for serving the plant. The soil of the bench once suitably prepared for the reception of the plant remains so, or even improves

on account of the upward movement of the water through it. This is in marked contrast to the compacting that follows every application of water to the surface. Surface watering drives out the air from the soil at each watering, keeps the upper layers wetter than beneath, and makes it difficult to provide for the needs of the deeper roots.

Besides the advantage of sub-watering which I have mentioned, there are others which are incidental features, but by no means unimportant. One of these is the freedom of the surface of the soil from weeds, moss and slime. The surface layer can be kept quite dry, and act as a mulch, if desired, and at any rate it will be the dryest soil in the bench. The dryness of the surface of the benches, and of the air throughout the greenhouse, will have a marked effect in preventing and holding in check all kinds of parasitic diseases, both fungous and bacterial—a desirable result that the carnationists are fully able to appreciate. The causes which prevent the inroads of germs, promote the functional activity of the leaves on the lower parts of the plant, and they remain green and





General Maceo.

healthy much longer than usual, greatly to the advantage of the plant.

It is evident that the writer believes that the proposed system of sub-watering is in many ways a good thing, and nowise injurious. He also believes that it can be made commercially profitable. A trial bench at the Indiana Experiment Station, which has been in use two years, chiefly for lettuce, is fitted with a water-tight lining of zinc, on which soft building brick are placed edgewise, their lower angles having been chipped off to permit freer movement of water between them. On this layer of brick the soil is placed in the usual manner. The water is run into the bottom of the bench through vertical tubes at intervals along the front, and at the rear overflows are provided at an inch above the bottom to guard against accidental flooding. Gauges, consisting of a simple bent tube, show when the water is exhausted. The bricks take up the water and pass it on to the soil above, slowly and uniformly. By running a water pipe along the bench, opening into each vertical tube, the whole bench, or the whole greenhouse, can be watered at once by turning a single stop-cock, and thus do away with one of the time-consuming features of greenhouse work. Whether this be the best way in which to provide for sub-watering, time will reveal, but it is efficient, lasting and not expensive beyond profitable returns.

I have pointed out that the plant's greatest need is water; that three-fourths of its substance is made up of water; that it directly controls growth by maintaining internal pressure; and that a constant stream through the plant is required for healthful development. I have called attention to the disadvantages in supplying the plant, especially carnations under glass, with water in the usual manner, and not wishing to be opprobriously called a theorist, lacking practical ideas, have pointed out a better method, which has had some preliminary trial. I shall feel that I have not misjudged the importance of the matter to commercial growers, if any members of

this society should find it profitable to make practical application of the suggestions of the paper.

INTRODUCTION OF NEW CARNATIONS.

By Fred. Dorner.

[Read before the Chicago Convention of the American Carnation Society.]

The introduction of new varieties, and their commercial value, so far as it can be ascertained; what are commercial varieties and in what does their value consist? I believe many entertain erroneous ideas, that will lead to erroneous opinions and conclusions, detrimental to a progressive evolution of the carnation. The general conception of a commercial variety in the first place embraces quantity, quality being of secondary consideration. If so many flowers are cut to a plant, so many thousands marketed and sold from a house, it is conclusive to many. That they were sold shows that quality was of a grade sufficient to effect a sale. But now let us go a little further and compare these commercial varieties with some that are not so prolific in quantity, but superior in quality, and consequently, according to this idea, outside the apprehended range of a commercial variety.

Let us compare prices at which these different varieties are generally sold; if higher or lower, the difference remains proportionately the same. Suppose 100 blooms, the product of three plants, are sold at $2.00, or 2 cents each; now, according to my experience, the following grades, all the product of three plants, can be grown at the same cost, but as quantity diminishes, quality improves: Ninety blooms may bring $2.25, or 2½ cents each; 80 blooms may bring $2.40, or 3 cents each; 70 blooms may bring $2.45, or 3½ cents each, and 60 blooms may be sold at $2.40, bringing as much as the 80 blooms. Now it is not uncommon that an extra fine variety is sold at $5.00 per 100, but we will allow only 50 blooms to the three plants, that is, half of the first realize $2.50, or 50 cents more for half the number of blooms, though of superior quality. I believe I am only stating facts as they appear every day in every flower market of this land. Fifty cents more on the returns from three plants does not seem very much, but on a house full, say about 2,000 plants, it aggregates to $330. What is of the greatest value in a variety, quantity or quality? I believe we had better relegate these apprehended commercial varieties to the second rank and pay more attention to the others. It is always acceptable when we have a variety of fine quality, and one from which we can cut many blooms to a plant, but the trend in improvement includes size also, and we go rather beyond Nature's power if we expect both at the same time.

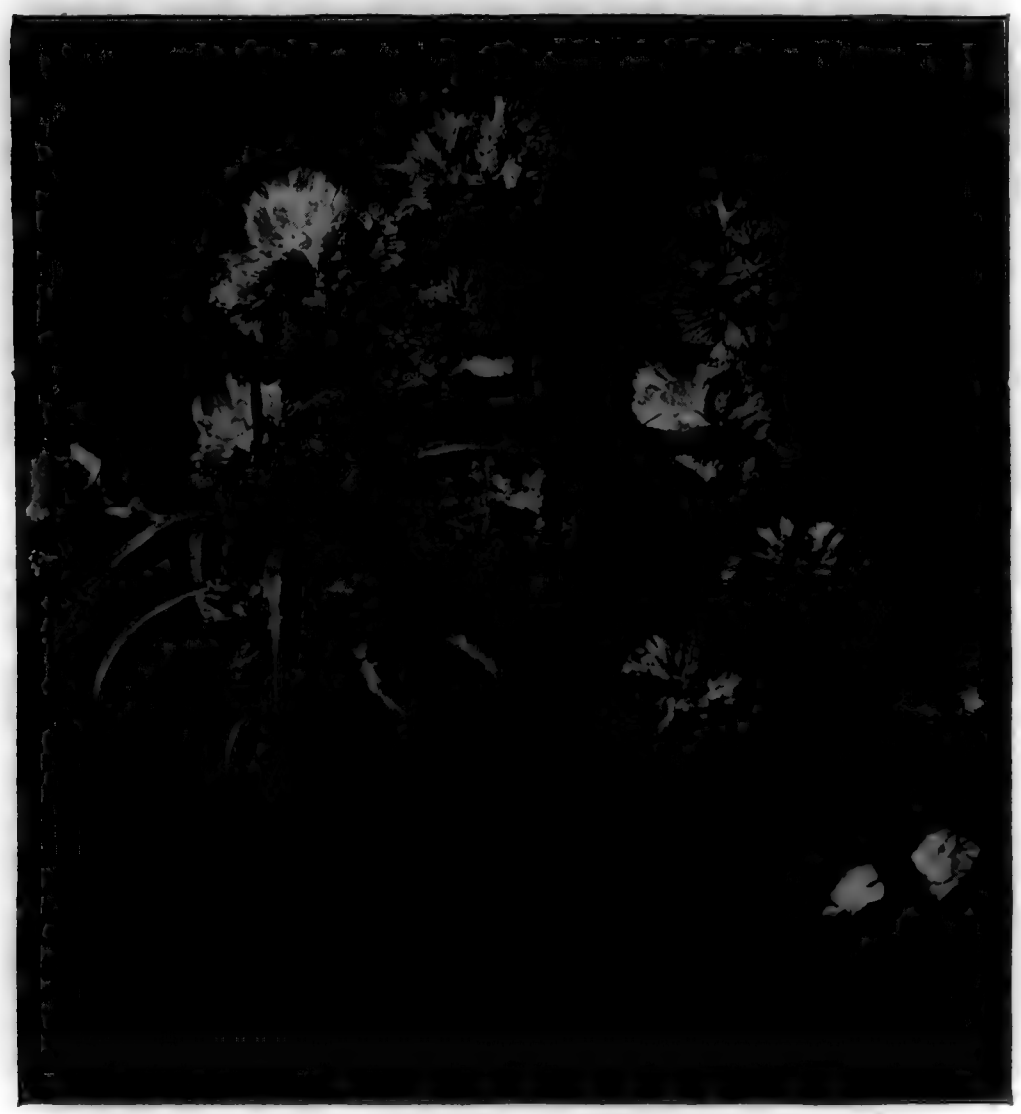
The introductions of new varieties in the past have in many instances been failures, resulting from different causes; some from natural consequences that could not be foreseen, but often neglect, ignorance and avarice, an overtaxing of Nature's ability, are potent factors, which place the introduction of new varieties in an odious light. Disappointment and losses, as they are too often experienced, make the purchaser suspicious of the new varieties offered every year; he expects for his good money what he is offered in the growing advertisements. We must admit that there are causes where the disseminator cannot be held responsible, such as change of location and different mode of treatment, though these are by no means the least. But there are others that can be avoided by a conscientious grower. A novice in the originating and growing of new varieties is only too apt to overlook defects. In the admiration of his work he looks with loving eyes at his pets; and let me tell you where new varieties are treated as pets, a rigid, thorough trial, such as is necessary to determine the good and bad qualities of a variety, is impossible. Another cause is a too high culture in the effort to make a good showing, which cannot be maintained under an ordinary culture for profit. The growing and introduction of new varieties is a business, and as in every other trade, one must be prepared to meet misrepresentations by unscrupulous people. On the other hand, when a grower conscientiously gives his new varieties a thorough trial that convinces him of their true value and justifies him in a dissemination, he expects a compensation that will pay him for his work, and can hardly be held responsible for shortcomings that may afterwards appear, and of which he was unaware.

As our present mode of judging new varieties is carried on, the exhibitor has largely the advantage over the one who depends on the decision of the judges in the investment of new varieties. The judges can only judge what they see; whether the exhibitor would have been able to make a similar showing one or two months earlier or later is outside of their province, as is also a true representation of the habit. The showing of one plant with the exhibition bloom has the same element of uncertainty. Various suggestions have been offered to alleviate these discrepancies in our system of judging. One is a suggestion to send judges to the exhibitors' establishments and see the candidates for certificates at their homes. To see them once, would be, in my opinion, not much better than the present system, and to see them several times would, by the increasing number of seedlings grown every year, cause more expense than the society or the growers would care to shoulder.

One other suggestion is to appoint stations for trial in different parts of the country. This meets with opposition from the growers, for it can hardly be expected that they should be of such a philanthropic disposition as to scatter their new varieties over the country. And if the growers would favor such a proposition, judging from present indications, a large house would be filled with the applicants for honor at each station. Who would undertake such a venture, and who would pay the expenses? What we need is a system that determines the value of a variety through the most important time of the season, at least; not only when they can be shown at their best, but with the defects exposed without encroaching on the rights of the grower; and further to give a purchaser, who takes the verdict of the judges as a guidance, a chance to judge to some extent for himself. Such a system, I am of the opinion, could be arranged, and besides would be inexpensive, as I will illustrate further on.

Our carnations being in the market the whole year, we would like to know how a new variety behaves, at least during the most important part, the late fall and winter months. Now why not imitate the Chrysanthemum Society by appointing standing committees in the principal cities, and let them sit once a month for five successive months, say on the 15th of November, December, January, February and March, respectively. It is to the interest of the exhibitor to exhibit a variety with as many committees as possible, if he is fortunate to possess enough stock to do so, but he has to show the same variety each month to at least one committee, and if it scores three times the required number out of the five times shown, it will be entitled to the society's certificate. If a grower wishes to magnify the value of his certificate he has only to show on a large scale, that is, with as many committees as possible. If sent from a distance the condition in which the flowers arrive should receive special mention. By missing to show at any of the appointed times, would indicate that the grower's plants are not blooming at that time. If a shipment should accidentally get spoiled in transit, the exhibitor should at once be notified, and allowed to make another exhibit, to be judged within a week's time. If a grower wishes to disseminate a variety during the season of judging, and can score sufficiently high the first three months, a certificate will certainly be of value to him. A certificate received under this mode of judging is valuable alike to the disseminator and those who wish to invest. To further enhance its value to the latter, the results of each month's judging should be published at once in all of the trade papers, not only mentioning the aggregate of points scored, but giving the points awarded on each characteristic of the flower as well as the total.

To know exactly the specified points a variety receives, it is of the greatest value to those who wish to buy. In this way the purchaser, having a record in the publications, is to a large extent his own judge and the committees are the appraisers. By publishing the whole, the line drawn by the limit of 85



New Striped Carnation Sandusky.

points securing a certificate; 84 points is not so severe, and a variety missing a certificate by a few points may yet prove valuable to many when they can judge for themselves, knowing in what respects that particular variety is deficient. True, the judging of the different committees, as is the case with those judging chrysanthemums, may not at all times coincide, but we cannot alleviate that; judges are human, and without questioning their integrity may involuntarily be influenced by their own fancy and taste. This may frequently happen respecting the points of form and color, but a specific record will enable us to draw our own conclusions, and partly judge for ourselves. A certificate always signifies a certain amount of perfection and cannot be overestimated, but the line drawn as in the past, with 85 points as good and 84 points as bad, is too harsh when not wrong.

At the time of our annual meeting and exhibition, every exhibitor before the different committees should be requested to make an exhibit with the record attached to it, as judged by the committee the months before, for the inspection of all visitors. This would be my idea of judging seedlings; the quality of the blooms every month speaks volumes as to the habit of the variety. Again, there could be made two classes, second, third year and over, the same as at present. It would probably cost the growers a few more flowers, but they are always watching for any chance to make an exhibit wherever an opportunity is offered, and I suppose they are willing to use the flowers where the most good will result.

If a wise, impartial judging of new varieties can be introduced, equally satisfactory to the disseminator and the buyer; when this system of judging brings to our knowledge not only the value of a variety when it is at its best, but what can be expected from it at least during the most important part of the season, when our society can accomplish this, it will control the introduction of new varieties, and if carried out in an impartial, open way, will gather around itself the progressive and impartial element, and reach the highest point of its usefulness. Many will not admit, but it remains nevertheless a potent fact, that the interest manifested in new varieties centers in the Society of American Carnation growers, and is its moving spirit; remove it and the society will crumble and decay.

RECOLLECTIONS OF CHICAGO AND CARNATIONS.

That Harrison street is not beautiful, particularly in sloppy weather.

That the external appearance of a refreshment house is a very unreliable guide to its internal attractions, even if it is in the business part of State street.

That the roast beef served you at the Auditorium is of a quality that don't drop off at many cities, and both it and the oatmeal and cream are of a high grade.

That the man who first called the carnation "the divine flower" would need a string of superlative adjectives could he see Evelina.

That we found ourselves most pleasantly situated while taking notes of the show. In fact, we envied none present, and it was all too short.

That Mr. Chadwick is a most finished after dinner talker, and Mrs. Ruggles and other illustrations were very pat. We have put them down with a cross opposite the title.

That the quiet good-natured, yet dignified chairmanship of President Rudd was most charming.

That florists can sing as well as grow and ship flowers, at least in Chicago.

That the new method of sub-irrigation was entirely unnoticeable in its application to any of the florists present.

That Mr. Grant makes an ideal chairman. A chairman has a great chance to abuse his position if he is cursed with exuberant verbosity.

That the little anecdotes and parlor stories intercommunicated after the regular sessions are very edifying if spread over long periods of time.

That the quantities of glass structures which some of the florists call "slight additions" to their plants took our breath away.

Finally we recalled with great regret that we could not accept the invitation of Mr. Bassett and visit his mammoth and model place. And still more regret that the heavy slumbers of our companion continued till 9 A. M., thus causing us to miss the looked for visit to Mr. Dorner's at Lafayette, and his wonderful collection of carnations.

We fail to recollect a much pleasanter and more instructive time, and pity those absent, for they don't know what good company and seltzer water will produce to the health and spirits.

W. S.

EARLINESS OF LILIES AND SPIRAEA.

Would you kindly inform us about what temperature Easter or Harrisii lilies should be kept that at this time are just showing bud, to have them bloom at Easter? We have them in our carnation house at present, with about 50 to 55 degrees night temperature. Also at what temperature should

we keep our Spiraea compacta that is about 6 inches high and showing bud nicely at the present time. E. E. S.

I would say that "E. E. S." is fortunate in having his plants in the condition described. In a night temperature of 50 to 55 degrees the lilies, unless we have bright and warm weather beyond the average, will be just about right. Don't be afraid that they will be a day or two early. We have learned to our cost that a lily with two open flowers and buds to open is not what our customers want. They want the flowers all out, and supposing they were all out a week before Easter, you can keep them perfectly a week or ten days. You are all right—in excellent condition. As I have often had occasion to remark, in a batch of lilies planted the same time and brought along in the heat, they will vary very much in the time of their flowering, and many moves are often necessary, but they should not be subjected to great changes of temperature, particularly a lowering, for that is very unnatural. Endeavor to have the bulk of them come about right, and those that show that they will be late can be given more heat.

Spiraea is perhaps a trifle early. Keep it at not over 50 degrees and you will be all right. Give plenty of light and abundance of water.

W. SCOTT.

ORCHIDS

ORCHID NOTES.

Cattleyas. As the sun strengthens C. labiata will claim your attention. Those that flowered early are impatient, but on no account encourage them, rather keep them as quiet as possible for a week or so yet. But it is in order to go over them, and remove last year's topdress, by which I mean all loose material that can be removed with a sharp pointed stick, without disturbing the roots, and fill in all slack spots with noddles of peat.

Any repotting that is thought necessary may be done now, but this is an operation that I would not advocate unless absolutely necessary. If the plant has abundance of root and a good hold of the material, leave it, but should it be in a bad condition with little or no root, shake it out and remove all dead and decaying matter, thoroughly wash with the hose, repot or basket, giving very little material around the roots, and treat as you would newly imported stock. If redemption is possible they will soon show signs of activity; let the leaves make some headway and have a decided root action before you topdress with sphagnum.

Also let C. Percivalliana, maxima, chocoensis, etc., then have your attention, but keep at the cool end of the house for some time yet, bearing in mind that the longer the rest the better the lead. And see that C. Trianae, Mossiae, gigas, etc., do not suffer for want of water. If the flowers are formed at the expense of the last growth they will break very weak and indifferently.

Laelia autumnalis, anceps, and its varieties, will also bear looking over. They require but very little material at the root; what they have should be fresh and sufficiently firm to retain the moisture. See that they don't suffer through lack of water while resting. And the various autumn flowering oncidiums will soon be on the move, and as those are naturally epiphytal they must have good drainage. Small baskets are the most suitable receptacles for these subjects, and they require to be packed very firm, as you do them up, and if grown in pots, they should be raised on a cone-shaped mound above the rim of the pot. When growing they enjoy a copious supply of water, but during the resting period, only enough should be given to keep the bulbs in a plump and healthy condition.

Dendrobium formosum and D. Phalaenopsis should be cleaned off and removed to their growing quarters, at the same time attending to any repotting required. Any Dendrobium nobile or Wardianum that may have flowered early should have the same attention. Do not repot in any case if you can avoid it, simply add a little fresh material where necessary and water sparingly until they show good root action. Maintain a temperature of 70 degrees with plenty of atmospheric moisture, and give liberal treatment eventually.

Some growers, will, I have no doubt, think it bad practice to start the last named subjects out of season, but the commercial man has no hard and fast rule to go by. He understands an early start means an early finish, and the secret lies in the finish, to know just when to withhold water and enforce rest, but should they start into a second growth unobserved, let them go; they have ample time to finish a second growth which will flower along with the first if properly handled.

J. ROBERTSON.

VIOLET NOTES.

Of all our experience in growing violets, this season "takes the cake," if I may be allowed the expression, for we are between two fires. At this time of the year we should be nearly sure of a fair amount of nice, clear weather, but as it is we get one day in seven very bright and sunny, one or two with thin clouds so that the effect of the sun can be felt to a moderate extent, and the balance of the week will be a sort of miniature Klondike spell (perhaps in order to settle the minds of the hesitating florist who is of more than half a mind to try his luck in those regions). The result is that you hardly know what to do in regard to shading your houses.

Those who grow their violets in houses running north and south do not need to shade as yet, but those growing theirs in regular east and west houses, under ordinary circumstances, should shade their south slopes lightly now, adding a thin coat from time to time as the sun gets higher and the days longer and warmer. Those who grow them in the new "slope" houses, in an ordinarily light season, should shade as early as the first week of this month, in this latitude, as such houses are so light that they bleach the blooms more than the other styles of houses, if not early protected in this way.

Those growing the Lady Hume Campbell exclusively can stand the additional rise of temperature well enough, as it flowers more freely at a higher temperature than the Marie Louise; on the other hand, it fades more quickly, and so needs the shading for that reason. On account of this tendency to fade, more care must be exercised to keep them closely picked, as soon as fully developed, and their size and full, round makeup are something astonishing when allowed to develop, and that their fragrance is much greater than the Marie Louise at all times is, I think, a fact admitted by all.

R. E. S.

BORDEAUX MIXTURE.

Please print at some convenient time the best way to make a barrel of Bordeaux mixture, with a few directions for use on chrysanthemums and celery. W. M.

Dissolve one pound of sulphate of copper in two or three gallons of hot water. Use a cast iron or earthenware jar for the purpose, for the copper will soon eat holes in a watering can. When

dissolved, slake three pounds of quick lime with the liquid, and then put the whole into forty gallons of water. Fostite is about as good as the dry Bordeaux mixture; instead of quick lime, in Fostite the copper is mixed with French chalk.

When the lime has settled at the bottom of the barrel the mixture is fit to use. The under side of the leaf is the part you want to get at, and a good hand syringe is the thing with which to apply it. A syringing once a week will do on chrysanthemums. Begin early on any that you apprehend rust will appear. It will not restore chrysanthemums to perfect health if they are once affected with rust, but it will arrest and prevent its spread.

I am not in the celery business at present, and when I was Bordeaux mixture was like the vitascope—not so well known. If it's rust on the celery you are after, the most expeditious way would be to take the young plants by the roots, a handful at a time, and dip them in the mixture just before planting. This is a most thorough way, and a plan I have pursued with young carnations before they go into the sand, and when they come out; by this method, every portion of the leaves is wet, and if there is any efficacy in these mixtures, they get the full benefit of it.

W. S.

A CONVENIENT SOIL TRAY.

Many florists have the soil necessary for potting and re-potting plants placed on the potting bench where it is to be used, while others prefer to use it from a box or tray. A wooden box is cheap and convenient, but it is apt to shrink so that the fine soil works through the cracks, and the end becomes worn in time by knocking the pots against it to turn the plants out. For several years we have been using trays made of galvanized iron, of the form shown by the illustration. They are tight, have good handles, and are durable. They were made for us by a tinner here, and cost $1.25 each. They are 2 feet long, 15 inches wide, and 5 inches deep, are made wider at top than bottom, and have plenty of wire around the rim to stifen them. The projection at one corner is a block of wood half an inch thick, extending an inch above the rim, to knock the pots against in re-potting. This tray can be used on the ordinary potting bench, or may be taken into the plant house, saving the labor of carrying the plants out and back when re-potting. If a piece of shading muslin or heavy paper is spread on the bench where the work is done it will keep the sand clean, or the soil tray may be set on a box of suitable height standing on the walk.

W. T. BELL.

GRAPES CRACKING.

"W. M." writes: "Will W. Scott or any of your correspondents inform me how to grow Mandresfield Court grapes without having them crack? I grow them with Muscat and Barbarossa, but as soon as weather comes they crack when beginning to color."

I have not grown the fine variety mentioned above, and, strange to say, in looking through a high authority on grapes, this trouble of cracking is not mentioned. But the writer is well acquainted with this serious cultural defect, and when growing Golden Hamburg and some others, lost many bunches by their cracking. I must have learned or heard from some one at the time the following remedy: Just before coloring, or, as they say technically, after they have "stoned," and during their last swelling, take a sharp penknife, split the stem of the bunch an inch or two above the bunch, and insert a very small piece of wood to keep the incision from closing. It worked satisfactorily with me, and no



A Convenient Soil Tray.

more cracking occurred. This bursting of the skin of the grape appears to be caused by too great a flow of sap to the berry, the skin of which does not expand fast enough or is not elastic enough to bear it. I don't think temperature, ventilation, soil, or water has anything to do with it, or that modification of these conditions would prevent it.

W. S.

BALTIMORE.

Increased Trade on Valentine's Day.

The past week proved an eventful and busy one for all concerned in the florist line. The retailers have been especially busy, owing to the unusual number of social events, which have now practically wound up the season. Valentine's day was more than usually observed in a floral way. Violets, as usual, were the most popular, while myosotis, carnations, orchids, tulips, hyacinths, valley, mignonette, jonquils, etc., found favor accordingly. Roses had a steady sale. Azaleas, cinerarias and potted arrangements of bulbous stuff also sold well. Besides Cupid's Valentine dances, there were innumerable teas, luncheons and receptions, while the Hunt ball (one of the season's most brilliant affairs) created quite a large demand for bouquets, handsome boutonnieres, etc.

Stock at the commiss'on houses has been plentiful, with the exception of roses, Beauties and Maids being especially scarce. Orchids, which are becoming more and more popular, are by no means equal to the demand. They could be made to pay if grown in larger quantities.

Gardeners' Club.

At the last regular meeting of the Gardeners' Club, Monday, February 14, the roll call showed an unusual attendance of over seventy-five members, the attraction being carnation night, besides including several other interesting events. Despite the fact that the full list of our carnation growers did not exhibit, the show was a decided success, quality having atoned for lack of quantity.

In Messrs. Halliday Bros'. exhibit was seen an exceptionally fine vase of Scotts, which were awarded a certificate of merit; also McGowans 3¼ inches in diameter, Victor, Daybreak, Tidal Wave, and other unusually well grown varieties were shown. A red seedling of Messrs. Woodfall Bros. was next in order, while a white seedling of Mr. C. M. Wagner, and a sport shown by Mr. I. H. Moss, also received the committee's special mention. Among other exhibits which caused general admiration was a vase of very fine Farquhar violets, grown by I. H. Moss, and a specimen of cineraria, grown by C. M. Wagner. Messrs. John M. Rider, P. C. Erdman, Cook Bros. and Thomas E. Stevenson also made very creditable displays.

Mr. Woodfall next entertained us by his essay on "Cross Fertilization," which proved a clear, cogent and businesslike paper. In his remarks Mr. Woodfall reminded us that "fools often step where angels fear to tread," and this proved an excellent simile to demonstrate his theory that the best results of fertilization are more often due to "chance shots" than to the guidance of scientific rules.

Question Box.

What is the best white carnation? General opinion was in favor of Flora Hill. Glory of the Pacific was decided the best outdoor pink chrysanthemum. Does Spiraea japonica require regular feeding? Not if first planted in rich soil.

What is the best keeping carnation? Mr. Erdman considers McGowan. In what night temperature should carnations be grown? Answered 50 to 55 degrees. Name six best azaleas for florists' use. Mr. Feast answered, Vervaeneana, Empress of India, Deutsche perle, Simon Mardner, Bernard Andreas Alba and Mme. Van der Cruyssen. What will kill short-tailed mice? As this question caused general merriment, Mr. Rider reminded us that he had made the inquiry, and the subject was "not at all funny." Mr. Wagner recommended "Rough on Rats" and raw eggs. The writer, however, begs to call Mr. Rider's attention to the article upon "Rats and Mice," issue No. 11 of The Florists' Review.

A vote of thanks was passed by the club for complimentary courtesies received from The Florists' Review.

At our next regular meeting Mr. W. P. Craig, of Philadelphia, has been requested to give us his observations while attending the Carnation Society's conventions.

A banquet to be held election night, the first meeting in March, is now in the hands of a committee.

The first installment of "Dutch Bullub" growers has landed. C. F. F.

CLEVELAND.

A Lively Trade St. Valentine's Day.

"Hooray for St. Valentine. Likewise hurroo and hurrah!" These and other expressions of approbation would probably indicate the florists' feeling toward the gentle saint. If he were with us now the florists' vote would probably help him in a campaign for the presidency of this great and growing republic, and, seated in the presidential chair, he might in turn help a little in some legislation for the benefit of floriculture in general. Who knows but what that national charter might be forthcoming shortly.

The foregoing is not insanity, but is merely a means of conveying the information that one of the days that has heretofore never called forth the general use of flowers in any such degree as the occasion would seem to justify, is beginning to improve in that point. Perhaps it may eventually become as important to the florist as Easter or Christmas. A day like that, approximately half way between the two above mentioned holidays, at a time of year when flowers can be had in good quantity and variety, at fair prices all around, would add immensely to the average floricultural exchequer and help quite a little to rid us of the surplus incubus. As it is, florists all report very good business on the 14th—much better than the same date in preceding years. In some instances it came pretty near being a case of "sold out," which condition is most unusual at this time of year. The demand ran largely for choice flowers—not in large orders, but dainty effects were preferred.

Stock.

Aside from this little extra flurry, business has been on the whole satisfactory. There has been a good, steady demand. Funeral work in many instances has helped considerably in using up stock, so that there has been little reason to complain of waste where stock has been of reasonably good quality. Flowers have been of good quality as a rule, although carnations show a good deal of variation, some being excellent in grade, though with a percentage of lower grade stuff. Roses are very good, and, like other flowers, are being offered somewhat more freely than at previous writings. The price continues on all stuff very near to rates given at earlier writings. Whether these prices can stand the pressure of Lent remains to be seen.

The Chicago Meeting.

The five pilgrims to Chicago returned in good order, sound in wind and limb, and with glowing reports of Chicago and all thereunto appertaining. The exhibition was wonderful and the entertainment royal. The Philadelphia gentlemen will have their work cut out to furnish a better managed and more satisfactory "experience meeting" than that of Chicago '98.

The Cleveland delegation stopped off on their return trip to see Messrs. Dorner & Sons' place at Lafayette, where they found everything in the condition that has made the Dorner establishment proverbial. The carnations, and, indeed, everything, formed a wonderful sight to those accustomed to seeing carnations as ordinarily grown, and will be, with the remembrance of the cordial hospitality shown, a pleasant memory for all who had the good fortune to be there.

The weather continues about as usual so far this winter—mild, but rather lacking in the matter of sun.

NEMO.

ST. LOUIS.

Popularity of the Divine Flower.

The week just closed was a busy one among the florists, and the growers are getting top prices for all their products. Roses of all kinds are holding up well and bringing good returns. The carnation growers are in high glee, as this flower has been in great demand since the first of the year. It was never known in the history of the commission men when carnations sold so well and brought such high prices at this time of the year. The commission men report an increased shipping demand, and orders of this kind were unusually heavy.

There have been a few large weddings and receptions, and the west end florists report that they were kept busy with dinner and luncheon decorations. The transient trade has also been good with the down town florists. This state of affairs had a good deal to do with so few florists attending the carnation meeting at Chicago last week. Next week we will probably have a different story to tell about business, as Lent commences this week Wednesday.

Prices.

Roses in most all classes are scarce. Those coming in are of improved quality, and there is no apparent quantity of any one variety. Beauties were as usual scarce, with a brisk demand for long stemmed stock, which was not obtainable at any price. A few short ones were selling at from 10 to 25 cents each. Bridesmaids find a ready sale at $8 and $10; Brides also in great demand at same price; Meteors, very scarce, at $10 for the best, some short ones bringing $5 and $6; Woottons and Perles in fair supply, and bring $5 and $6; some smaller ones were sold at $4.

Carnations have the call at present, and all fancy varieties bring $5 per hundred. Daybreaks, Scott, Wocher, and all whites sold at $3 and $4. The very poorest carnations brought as high as $3 per hundred.

Bulbous stuff of almost every variety has sold well. Daffodils (Von Sion) are selling at $4; Dutch hyacinths, all the light shades, in good demand at $6; valley, $4; Romans, $3. The tulips have slackened up a little, and sell at $4 for the very best. Harrisii are not quite so plentiful as they have been, and bring $12.50; callas, $10.

Violets, which have been a glut for the past few weeks, are selling better, and Californias are again selling at 50 and 75 cents; double, same price; small single, home grown, 20 cents; southern, 10 cents. There is some very fine mignonette sent to the market, grown by Andrew Meyer, all of the giant varieties. The fine spikes of these flowers are in good demand at from $3 to $4. Asparagus is in fair demand. Smilax is selling better at $10, and adiantum sells at $1 to $1.25.

Carnation Meeting of Florist Club.

The next meeting of the Florists' Club will be a notable one, from the fact that it will be the annual carnation meeting, and all the new varieties that are being grown are expected to be on exhibition, from all the eastern and home growers. This attraction should draw a gathering worthy of the occasion, and as all florists in town and vicinity are invited, we expect the largest meeting in the history of the club. The date of the next meeting is Thursday, March 10, at 2 p. m., in Hall No. 2, Odd Fellows' Building. Outsiders should not wait for an invitation, but just come and show themselves, and we will make it pleasant for them.

Various Notes.

George Ostertag has given up his Broadway store, and will hereafter be found at 506 North Grand avenue, at which place his sister Mary is doing business.

Mr. Ed. Buechel, secretary of the Riessen Florist Co., on South Broadway, reports business very good, with lots of decorations on hand.

Max Herzog is sending in some very fine Woottons, Brides and Maids, which sell at sight.

Mr. C. C. Sanders has been requested to read a paper on "Nursery Stock from a Retailer's Standpoint" at the next meeting of the club.

Mr. Emil Schray, chairman of the committee on premiums and awards, has appointed his committee, as follows: Messrs. Andrew Meyer, Sr., Albert E. Michel and Henry Ostertag. They have been at work on the prelim-

inary list, which will be out by next meeting .

Mr. W. C. Young's committee on special prizes consists of Messrs. Fred C. Weber, Ed. Buechel, Robert Ayers and Albert Bauer.

If some of our St. Louis florists, who are always absent from the social gatherings or meetings of the club, will read in last week's issue of The Review the Notes of "E," of Toronto, and if the cap fits, as he says, we would like to see them mend their ways in the future and take his advice.

Visitors in town last week were Mr. George M. Kellogg, of Pleasant Hill, Mo.; Mr. L. Bauman, with Frank Netchert, of Chicago, Ill., and B. Kuppers, representing William Hagemann, Philadelphia, Pa.

Mr. Dykes is in town, representing Ed. Jansen, of New York.

Bowling Items.

The Bowling Club had a good attendance Monday night, and some very good scores were made. Mr. Kuppers, of Philadelphia, was a visitor at the alleys and rolled with the boys. The best three games were rolled by Beneke, with 617, highest single score 222; E. Schray, second, with 563, high single score 223; John W. Kunz, third, with 510, high single score 200.

I see by the Omaha notes that the members of the Nebraska Florists' Society have the bowling fever and meet every Monday night. Keep it up, boys; we will be with you next August.

J. J. B.

PHILADELPHIA.

Business Brisk.

Business continues brisk, with prices about the same as a week ago. Roses were quite scarce toward the end of the week just closed, the Second Assembly ball and the dinners which preceded causing a brisk demand on Friday. Daffodils were also freely used on this occasion. Carnations are barely holding their own, due partly to the quality of the stock, which has fallen off a little. Tulips are good and selling freely. Double daffodils were overdone in the early part of the week. Ferns in 3-inch pots are scarce.

Germantown Hort. Society.

The February meeting of the Germantown Horticultural Society, held on Monday evening of last week, was a most successful affair. The display, chiefly of orchids, was more than usually brilliant. The exhibitors in this class were two vice-presidents, Albert Woltemate and Roberts Le Boutillier, and both deserved great credit for their displays. The junior vice-president, Mr. Le Boutillier, showed a 12-inch pan of Coelogyne cristata, with fifty perfect blooms. This piece contained six cuttings of five years ago. Mr Le Boutillier feels such confidence in this variety that he offered to put up a quantity of glass for its cultivation if any retailer would agree to take all the first-class blooms at ten cents each. Among the other varieties shown were Cymbidium Lowianum, unusual; Oncidium Cavendishii, Dendrobium nobile, Wardianum and densiflorum, Lycaste Skinnerii and Brassavola glauca. Besides orchids, water lilies were discussed, the members being reinforced by a stranger from Kew, who spoke right out in meeting and was cordially welcomed.

Penn. Hort. Society.

The following night (Tuesday) the Pennsylvania Horticultural Society met, and again orchids were the center of attraction, H. T. Clinkaberry, gardener to C. E. Roebling, of Trenton, N. J., and Alphonse Pericat, gardener to Mrs. George B. Wilson, of West Philadelphia, being the exhibitors.

The members of the society invited the City Parks Association and the Civic Club to join them in listening to an illustrated lecture by Jacob A. Riis, of New York, on "The Children of the Poor and the Need of Play Grounds and Open Spaces for Recreation." Mr. Riis' lecture was well attended and proved most interesting. He showed the poor little chaps of New York, living in dirt and filth, and traced their development into the criminals of the slum districts, by means of slides. His idea being that crime can be lessened by surrounding the crowded tenement districts with open squares and play grounds, where the children can have their amusements and plenty of fresh air.

Friday evening witnessed the meeting of the Botanical Club at the University, which Dr. McFarland has brought into flourishing condition with a membership of 125, and also the second assembly, a most brilliant affair, which brings sadness to the heart of the florist, for it means Lent is near.

The Lily Disease.

And now I want to speak of the lily disease, which has assumed such alarming proportions here. The Florists' Club has wisely set apart a meeting in April for the discussion of this vital subject. Briefly, the case stands thus: The florist buys his lily bulbs from the seedsman, who agrees to furnish sound bulbs of a certain size. These conditions are fulfilled as far as outward appearances go, but when started, very many of these bulbs develop unmistakable signs of disease; some fail to develop at all. I know of one grower who lost three-quarters of his L. Harrisii; another one lost three-quarters of his L. longiflorum.

The florist goes to the seedsman, who expresses deep regret, says the trouble was probably aggravated by the effort made to get the bulbs into this country before the tariff bill went into operation, July 24, 1897, and if the case be a very bad one, delicately hints that Mr. So-and-So has had pretty good luck with the bulbs sent him, thus making the florist feel he isn't much of a grower. When the question of payment is broached, the seedsman becomes inexorable. The Bermuda growers allow no rebate and he can allow none. In vain the florist urges his loss of bulbs, to say nothing of time and space. He is morally right but legally wrong, and must yield.

Mr. Buettner proposes a government inspector, to prevent all diseased stock from entering this country. I doubt whether this plan would solve the problem so far as lilies are concerned. Would not a better plan in this particular case be for each florist to insist when ordering his lilies, be they Harrisii or longiflorum, on a written guarantee, that they be free from disease? This plan, generally adopted, would send the seedsmen to the Bermuda growers with a similar contract, which the latter must submit to or keep their bulbs. The result would be either that the disease would be kept within bounds or that lily growing would be abandoned in Bermuda. In either case the present unsatisfactory conditions would cease. This emergency demands resolute action. Any florist who orders his bulbs in the old way, without a positive written guarantee that the stock supplied be free from disease, will be guilty of extreme folly.

Notes.

Ladies' night at the Florists' Club on the evening of Washington's birthday was a great success.

William P. Craig has been elected vice-president of the American Carnation Society.

Our bowlers won fresh laurels by defeating the strong Irving team by 50 pins in a league match. J. W. Y.

CINCINNATI.

Review of Market.

The commission men have been kept busy for several days hustling for flowers to fill their many orders. They all report a good out-of-town trade, or, rather, demand, as many of the orders could not be filled at any price. The market opened up Monday in the same manner, and I am safe in saying this will be a repetition of last week. There is nothing much going on in the way of society events, but trade among the retail men is fair and steady, which beats one good day and four or five bad ones.

Wholesale Prices.

Brides and Maids are hard to get, and find a ready sale at $8 per 100; Perles are held at $5; Meteors, $8 to $10. Beauties cannot be quoted, as there are no first-class ones in the market, and buyers have long since ceased to ask for them. Carnations have either stopped blooming with some of our growers or else are being sent to some other market—I will take a trip around and let you know which

a little later. The few coming in find a ready sale at $1.50 to $2 for ordinaries, and $3 to $4 for fancies. Bulbous stock is held at the following prices: Romans, $2 to $3; valley, $3 to $4; daffodils, $3 to $4; tulips, $4; callas, $8 to $10, and Harrisii, $12.50. Violets seem to be the only flowers that are not "in it," as they are going slow—anywhere from 50 cents to $1 per 100.

Our old friend, M. Rice, of Philadelphia, was a recent caller. B.

NEW YORK.

In the Flower Pit.

Last week was not one of surprises in any line. It rained Saturday, which was not a surprise, either, as it has rained now for eight consecutive Saturdays, much to the chagrin of the "craftsmen" on the street. A good, bright Saturday is always hoped and earnestly prayed for — if wholesalers were ever known to pray, and I have it on good authority they do, sometimes. "It clears up the icebox ready for Monday," said one man; "that is, a good Saturday, and we do not have to carry any goods over."

The crop of roses is falling off slowly, before the final spurt for Easter, which is getting very, very near. Prices remain, though, about the same as last week. The best Beauties realize 75 cents apiece, while Bridesmaids, extra selected stock, command $15 per 100; Brides, a little less, $12, and they are not quite so plentiful as Maids. Fancy Meteors sell for $12 and a few very choice touch the $15 mark. This, however, is exceptional. Morgans and Cusins sell equally well, though there are not many of the latter grown in proportion, and $8 is the top notch for these. The Perle sells in limited quantity, while Sunset is scarcely seen any more and rarely realizes more than $4 per 100 at the best.

Valley was a shade better this week; that is, there was not the quantity to be had; price ruled about the same, though extra graded stock sold a trifle higher. This commodity has suffered very much this winter. There is a plethora of bulb stuff of all grades, tulips selling about as well as anything, while Harrisii was hammered down to $5 per 100. Smilax—that is, good smilax—sold as high as $15. and poor as low as $6.

The demand for orchid flowers is jerky and erratic. There are not so many cattleyas as heretofore, but the demand is light; retailers do not seem to like to invest in this stock unless for orders. Quite a number of the Dendrobium Phalaenopsis are seen and realize 25 cents a flower. It is one of the prettiest and most graceful of the Dendrobes.

I spoke just now of the retailer investing. The retailer invests very little in flowers; that is to say, he lays in no specially large stock. He does not speculate. The telephone, the galaxy of wagons used on any possible occasion, and the "flower buyer," all militate against this. The majority of the large florists are nearly all located about and around the wholesale district, and if a rush order comes for anything special, the "buyer" and the telephone are immediately brought into play.

One large retailer keeps his buyer almost the day long among the wholesale houses and directly in touch with the "home office." He knows immediately where to lay his hands on 1,000 Bridesmaids or 100 cattleyas, as the case may be, and so it is, the icebox contains just samples, so to speak, and the "hand-to-mouth" system is thus carried on; so the wholesaler does not know from one minute to the other when his stock may be decreased. Of course, in the early hours the big buying is done, but it usually covers the whole day, more or less, according to the demand.

This has a tendency to "bear" prices, it seems to me, for it is always problematic what the day will bring forth.

Lent is right at our door, but this is only a temporary check, now, lasting about two weeks, after wh'ch things again commence to find their level. Taken as a whole, though, trade has been fair. At no time can it be recorded, however, that stock has been scarce, except about three weeks ago, and that lasted but a few days. Are the growers satisfied? We take it some are not, for they are continually changing their wholesaler, only to go back at some future date to their "old love," with burnt fingers and a mental resolve that they will not leave him again. "What, never? Well, hardly ever."

The Club Dinner.

The event of the year, the dinner of the New York Florists, takes place at the "Arena" next Saturday, the 26th, and the banquet hall is expected to be filled. Many gentlemen from out of town, besides the members, are expected to be present. Mr. Patrick O'Mara, of toastmaster fame, will assume the honors on this occasion, and a very successful and enjoyable evening is anticipated.

The decorations will be in charge of Mr. Lawrence Hafner and contributions should be sent to the secretary, Mr. John Young, as early as possible Saturday morning. The hall will not hold more than seventy, so intending subscribers should send in their applications immediately.

The Retail Trade.

I scoured the town the other day for a few novelties, but did not meet with much success. Violets in pots are selling very well and are quite pretty. Genistas are to be seen in several stores and remind us that spring and Easter are not far away; also such forced shrubs as forsythias, spiraeas, almonds, etc.

Big events there are none and but a few ordinary social functions, and by the by, a "vegetable dance" last week where folks were supposed to go garbed as "garden truck" (immensely elevating, I should think). However, I hear the ladies appeared as roses, paeonies, pansies, carnations, etc., while the men wore headgear of cabbages (very appropriate), pumpkins, etc.

The Donohoe-Ehret wedding was quite a brilliant affair and was handled by Hanft Bros. Bridesmaid roses, lily of valley and cattleyas were used very extensively. It was a house decoration, and a short description would not go amiss. The altar was an Egyptian canopy nine feet high, composed entirely of valley and bridesmaid roses, from which hung a bell composed of the same. From the top of the canopy to the walls of the room garlands of asparagus, roses and valley gave it a light and pretty finish. Banked on either side were azaleas and white lilac, and at the base were boxes of red and white tulips. On either side were two immense baskets on standards of pink roses and valley with streamers of the same. The mantel and mirror were tastefully decorated with cattleya, the outline of a star being designed in cattleyas hung on the face of the mirror, the reflection caused thereby making an exceedingly pretty effect, and garnished here and there with sprays of Asparagus Sprengerii and plumosus.

In the library there was a bank of genistas and Marguerites and on the mirror in this room was a circle of cattleyas. In the banquet room Valley and Bridesmaids predominated. Azaleas in flower and graceful palms did duty here and there, but space will not allow me to go into further detail. Enough to say that the whole arrangement was pretty, light and graceful, and a credit to the decorators.

Seed and Bulb Trade.

A large wholesale man told me today he had received information that a syndicate had been formed in Holland by some of the largest dealers to raise the price on hyacinths and tulips 20 per cent, and had held out special inducements to growers to sell to them. It is not likely, though, that it will prove a successful combination, as several large handlers of bulbs have refused to enter the combine's ranks. As flowers in this line are selling today, it would be far more desirable to reduce the price 20 per cent if they expect to secure any orders in this vicinity.

The spring bulb trade is opening up pretty well. Tuberoses, however, are moving somewhat slowly. Japan bulbs are selling better and there have been several calls from Europe for large sizes. The demand for begonias and gloxinias increases every year and

importations are larger. The crop of Caladium esculentum is heavy, and calls for the larger sizes increase; these will sell better later. Cannas are offered in large quantities and at low prices, which will stiffen as the season advances.

Our Special Wholesale Report.

Business, though not brisk, showed a slight improvement over last week.

Roses and carnations moved better than other stock. There was an ample supply of everything during the early part of the week, but towards the latter end roses again shortened up. Brides, Bridesmaid and the other varieties of small roses found a ready market, but beyond a steadying of price there was no advance. There is no surplus of good Beauties. Shipments are yet light, which sustain the price. Meteor has sold better and the average price will compare favorably with last week's quotations.

Bulbs are more plentiful than ever, with little hope of any immediate improvement in prices. Tulips of fine quality are bringing very poor figures, and this may also be said of Harrisii, which are arriving in increased quantity.

St. Valentine's Day was disappointing in its results to the violet growers, who had evidently made preparations for a big business. The shipments were of Easter proportions, but the weather was bad and no doubt shut off a demand that might otherwise have consumed much of the choice stock. As it was, it took the better part of the week to catch up with the shipments of the days following. Average price is rather less this week.

Valley and hyacinths were cleaned up in fair shape at current figures. Smilax is selling well.

Various Notes.

Mr. Alfred Dimmock, representing F. Sander & Co., St. Albans, England, will arrive next Saturday per S. S. Umbria.

The first auction sale of the season will be held by J. P. Cleary & Co., at their salesrooms on Vesey street, March 8, and Mr. John will again wield the hammer.

Messrs. Clacas & Boddington have been appointed the sole American agents for the "Union Horticole," France, large handlers of all French products in the bulb and plant line.

Mr. E. Koffman, of Walden, was in town to-day. He expected a consignment of Cypripedium insigne on the Spanish warship Vizcaya, but the frosty reception the boat received killed them all. O lachrymae! O Koffman!

Mr. Chas. R. Christy, of Glenbrook, Conn., is sending in some specially fine roses to Mr. John Young. I noted some Bridesmaids with stems fully three feet, large blooms of excellent color and size. His Brides, too, would do justice to any grower.

Traendley & Schenck are handling a line of good all-round stock, including Lager & Hurrell's cattleyas, fine forms, large flowers and good color, that sell readily, one firm, I believe, taking nearly the whole product.

Mr. Fred Smythe left for Trinidad last Wednesday, per steamship Grenada, on a business trip for Siebrecht & Son, where he will inspect the stock at their nurseries, palms, dracaenas and other plants being grown there quite extensively by this enterprising house for importing and growing on.

BUFFALO.

The writer has been away the greater part of the week, and consequently has missed the local news. Business is reported as only fair, and the weather has kept up its record, for no two days have been alike. If there were any visitors in town we missed them, and if they were not of the right sort, no regrets.

Mr. William J. Palmer, the elder, Mr. D. B. Long and William Scott started for Chicago on Wednesday, and had a very pleasant journey to the great city, as they were joined by the Cleveland delegation when a few hours on their journey. The anecdotes of Mr. Graham and refreshments of Mr. Hart kept us all awake till a late hour.

It was a great show, and we are the better for seeing it and seeing our fellow craftsmen. The two oldest of the party arrived home Sunday morning. That I can swear to. But what became of D. B. Long and all our Cleveland friends? We don't know.

There was a small but earnest meeting of the Florists' club held at the home of W. S. last week. Our annual banquet is a certainty, and a full exhibition is a probability, which will be decided on one way or the other shortly. W. S.

TORONTO.

Trade Conditions.

The typical bright, crisp, frosty, Canadian winter has gone back on us this year and a day's sunshine has been a rare occurrence since last November, in consequence of which the growers hereabouts have not been able to fill all the orders of their regular customers. Just now we are being treated to the biggest snowstorm of the season, and the inside of a greenhouse is a dull and dreary place. It is to be sincerely hoped that the coming season of Lent may be enlivened by the sun a little more, so that there may be good stocks by Easter time. The plant trade, however, has been picking up a little, and there has been a fairly good trade done in palms, azaleas, ferns and pot bulbous plants.

Gardeners' and Florists' Association.

The regular meeting of the Gardeners' and Florists' Association last Tuesday was sparsely attended, owing to bad weather. However, there was a quorum, and a good deal of business was done. Henceforth the annual fee will be $1.00; new members will pay $1.00 entrance fee at time of nomination, as will also old members who have fallen into arrears. B.

CHICAGO.

The Market.

Continued dull and cloudy weather has shortened up stock considerably. Particularly is this true regarding carnations, for which there is an unusually lively demand, especially for the fancy grades, such varieties as extra Jubilee and Flora Hill selling at $5.00 per hundred, it being an easy matter to dispose of all that can be had at that figure. It would seem that the Carnation Meeting had stimulated the demand for extra choice stock. Fine Daybreaks are held at $3.00, with ordinary stock ranging from $1.50 to $2.50.

In roses the demand is likewise brisk, with good stock correspondingly scarce. Choice Brides, Maids and Meteors are readily disposed of at 9 cents. Beauties remain scarce, with not enough to supply the demand, many orders having to go by default.

There is an increased call for Harrisii, a great many being used at the funeral of Miss Frances Willard. Bulbous stuff continues in slow demand, with the exception of tulips and valley.

Prices on most lines have stiffened up perceptibly, due to Washington's birthday, but a drop of a point or two is almost inevitable, on account of the nearness of Lent, during which period many less flowers are used.

A Visit to Hinsdale.

A party of fifty-two of the visiting florists paid a visit to the establishment of Bassett & Washburn, Hinsdale, Ill., during the convention, and found everything in the usual fine condition. Mr. Washburn entertained President-Elect Nicholson and party at a dinner at Kinsley's.

PITTSBURG.

The retail trade of the past week in cut flowers has been particularly good. While the coming Lenten season will be characterized by the usual falling off in trade, there are a number of banquets, club affairs and some weddings that will swell the volume of business.

Pittsburg was represented at the American Carnation Society convention by Messrs. Fred Burki and Benj. L. Elliott, of Elliott & Ulam. Both gentlemen report that the convention was an unqualified success. It was particularly noticed, and with pleasure, that the growers are succeeding in promoting stronger stem in the newer varieties.

Among the visitors in town were Messrs. P. Vos, of the Holland Bulb Company, and Martin Reukauf, repre-

senting H. Bayersdorfer & Co., Philadelphia, Pa.

Mr. Robert Faulk, with Hartman Bros., has left for a trip south. His destination is New Orleans. L.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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OBITUARY.

W. P. Simmons.

W. P. Simmons, of the well-known firm of W. P. Simmons & Co., Geneva, Ohio, died Feb. 9 of kidney and heart trouble, aged 81 years. He had been a resident of Geneva for thirty-one years. He was one of the most successful florists in the country, and was widely known through the many valuable carnations, geraniums, etc., introduced by the firm of which he was the head. Mr. Simmons was born in England, and was gardener at Eaton Hall before coming to America.

WASHINGTON.

Trade conditions remain the same as last week, stores continuing busy with small work, principally in bulbous stuff.

The Gude Bros. are the largest growers of bulbs this season, and are sending in quantities, all well grown. Their show window last week was filled with La Reine tulips and Harrisii lilies.

Prices are about the same as last week; quantity and quality of stuff better; violets not as plentiful and price firm. W. H. K.

MILWAUKEE.

Another blizzard struck the town, and before it got through raging we were almost snowed under. All trains were running behind time and out-of-town shipments arrived very irregularly. Down-town trade was somewhat affected, as street car service was bad and traffic almost entirely suspended for some time. Stock, however, remains scarce, so what demand there is easily consumes the supply.

Nic Zweifel and Otto Sylvester attended the meeting of the Carnation Society.

E. Haentze, of Fond du Lac, was a caller, on his way home from Chicago.

GEO. WASHINGTON.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The past week has been one continual round not of pleasure but of hustle to get enough stock to fill orders.

Probably every wholesaler has seen times during the week when his best customers have had to be disappointed, times when neither love nor money would get the flowers wanted in time to ship when needed.

And this has been unavoidable, too—no amount of foresight or wise precaution could produce roses and carnations out of the air.

While we mention it, that is just where all the trouble comes in—the air. Foggy—damp penetrating, "Grip" producing air is hardly what one would choose as a flower producer, that's what we've had now for three weeks, and is still with us.

Roses, at writing, are more plentiful and rule in price perhaps a trifle easier, but the advent of Lent has more to do with that than any increase of bloom.

Carnations, on the contrary are scarcer than at any time this winter and for that matter than at any time in four years. This is not guess work, but actual fact, computed from records of several houses and testimony of various growers who know whereof they speak.

Violets have been fairly plentiful and so has about everything else worth mentioning; bulb stuff particularly easy to get, and all of good quality.

No one knows what is in store for coming week and few dare to guess—we do not—Selah!

WANT ADVERTISEMENTS.

SITUATION WANTED—As foreman in good florist establishment. First-class rose grower, also palms, ferns, carnations, mums, violets and general stock. Or take charge of a gentleman's good private place, 20 years experience in England and America. Strictly temperate. Good wages expected. Married. Disengaged about March 1st. Good references. Address Geo. Norton, 164 Center St., Bridgeport, Conn.

SITUATION WANTED- Near Chicago, by first-class grower of cut flowers and plants, also mushrooms and cucumbers. Was in charge of last place for six years. Good references. Parties wanting a good all round man please address F. G., care of Florists' Review.

SITUATION WANTED- A young man of 19, with three years experience in florist store, desires a place in greenhouses to learn practical floriculture. Albert Fiedler, 820 Hanover Street, Baltimore, Md.

SITUATION WANTED—Gardener, single; in private place, understands care greenhouses, fruits, vegetables, lawns and everything in general; Best of references. Address W., Florists' Review, 56 Pierce Bldg., New York City.

FOR SALE—Large cypress tank holder; ten thousand gallons of water; good as new, as it has been indoors and well painted; only in use 5 years; price, $75.00, f. o. b., Cincinnati. J. A. Peterson, 105 East 4th St., Cincinnati, Ohio.

WANTED, SITUATION—By a florist of 20 years' experience as maker up of designs or general greenhouse work; very best of recomendations. Joe. N. Lawrence, Ottumwa, Ia.

WANTED—An all round man capable of running private greenhouse; one who understands growing carnations and roses. Must be a willing worker and strictly temperate; a permanent place. State wages and give references; a young single man preferred. Dr. S. A. Richmond, Tuscola, Douglas Co., Ill.

SITUATION WANTED—By florist-gardener; private or commercial; fifteen years' experience in all branches; first class references. Address J. M. W., Lansdale, P. O., Pa.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

WANTED—California and Russian Violet runners in exchange for 1000 American Beauty rooted cuttings. K. K., Florists' Review.

SITUATION WANTED—By single man, four years experience in commercial greenhouses; age 25; salary no object. Address B. T., care Florists' Review.

WANTED—Single man for general greenhouse work. Address, stating wages desired, etc., Huntsman Co., Cincinnati, O.

SITUATION WANTED—By practical florist and gardener, private or commercial, as foreman, A 1 on roses, carnations, mums, violets, etc.; 15 years' experience in this country; English; married; no one horse affair need answer this; state wages, best of references. Address B. N., care Florists' Review.

WANTED—Foreman, on commercial place, California. Must be experienced in handling men, with unquestionable knowledge of propagating and growing, both inside and out; competent to take entire charge; good habits and best of references. Address "Carnation," care of Florists' Review.

FOR SALE—Range of greenhouses, and land for rent. Address John Leluan, West Foster avenue, Station X, Chicago.

SITUATION WANTED—By a first-class florist, 12 years experience in growing cut flowers and general bedding plants; age 28; single. Address Florist 100, care Florists' Review.

FOR SALE OR RENT—New house, with large barn and carriage house; poultry pen, good lawn, one and one-half acres of planting land; good water and other essential appliances which make it a desirable residence and florist business; situated one-half mile from Asbury Park Depot, New York line; rent, $250 per year, with option of a 5-year lease. Address Owner, care Florists' Review.

SITUATION WANTED—By a florist and gardener, private or commercial; 15 years' experience, who can grow carnations, mums, roses, etc. also vegetables under glass. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Having managed cut flower store two years with success, I desire to change position for larger concern by April 1; Detroit or Cleveland preferred. Please correspond with 32 Michigan, Florists' Review.

SITUATION WANTED As foreman with some refined party, by a practical grower of cut flowers, palms, orchids and general stock; good designer and decorator; only reliable parties need answer; best of references, California preferred. Address Orchids, care of Florists' Review.

FOR SALE—A first-class florists' refrigerator. Have changed location and it can not be used in present place; will sell cheap. Address J. J. McManmon, 6 Prescott st., Lowell, Mass.

SITUATION WANTED—A gentleman thoroughly understanding every department of the business, seeds, bulbs, plants and nursery stock, would like to represent some good, reliable firm throughout New England, either on salaryor commission basis; a first class salesman. Apply Z. Z., care Florists' Review.

SITUATION WANTED—A practical, successful grower desires a position as foreman where fine cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

SITUATION WANTED—By a good German gardener, married, small family; was working in wholesale places; private place preferred; best of references. Paul Stoever, 75 Ward street, Chicago, Ill.

GREEN HOUSE FOR SALE.

EVERYTHING in first-class condition, and centrally located. Good stock of flowers of all kinds. Natural Gas and Water Works supply. Population of city 8,000.

Can be Bought at a Bargain.

Address, **HENRY L. MOORE, Lebanon, Ind.**

Wanted A good, reliable Traveling Salesman for the

FLORISTS' SUPPLY LINE.

Address S. C., care

FLORISTS' REVIEW.

THE GOVERNMENT SEED SHOP.

The January issue of Agricultural Advertising, Chicago, is largely devoted to the seed and nursery trades, and much space is devoted to an expose of the government seed shop humbug. There are numerous expressions of opinion by seedsmen and others, including one from Mr. James Sproule, manager of the Sunset Seed & Plant Co., of San Francisco, in which appears the following paragraph:

When the time comes that the seed trade of the United States will take the position that whether or not the Government persists in free seed distribution, they will none of them directly or indirectly, supply the seed on any terms, then will the United States Government, if it chooses, become a depot for the free distribution of foreign seeds and thus repudiate its own patriotism. This latter plan is in our judgment, the only available scheme of annulment of the United States Government's action. The other plans are, in our opinion, claptrap or political, or both.

AN ORCHID FARM.

Under the above title Country Life Illustrated, of London, Eng., prints a handsomely illustrated description of the establishment of Sander & Co., at St. Albans. The half-tone engravings are remarkably well done, and reflect the greatest credit on the publication named.

LEAVENWORTH, KANS. — The greenhouses of Kirkpatrick Bros. were badly damaged by fire Feb. 9. The loss on contents was almost total, the fire having completely destroyed the boiler house and burned away the ends of the connecting greenhouses.

1878 1898

New PRICE LIST for SPRING and SUMMER. If you have not received it, send postal; will mail you list and beautifully illustrated Descriptive Catalogue.

Horticultural imports and exports from Europe, China, Japan, Australia, Mexico, etc.

Address, H. H. BERGER & CO.

Established 1878. 220 Broadway, New York.

NATHAN SMITH & SON,

WHOLESALE FLORISTS

SPECIALTIES: ADRIAN, MICH.

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

Rooted Cuttings.

	Per 100	Per 1000
Verbenas, 18 var., very strong	$0.70	$5.00
Coleus, 12 varieties	.80	7.00
Heliotrope, 4 varieties	1.00	8.00
Alyssum, double	1.00	
Swainsonas	1.50	
Petunias, double, 10 varieties	2.00	
Vinca Major	2.00	

Smilax, from flats.....50c.; 2-inch pots, 75c.
Pelargoniums, 6 leading var., 3-in. pots, $5 per 100
Selaginella Martensii.....2-in. pots, $1 per 100
Express paid, cash with order.

E. H. SMITH, - Macomb, Ill.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

HEADQUARTERS FOR ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

Cut Strings, 8 to 10 Feet Long, 50 Each. cts.

Shipped to any Part of the Country.

FRESH COCOS SEED

Cocos Weddeliana, $6.00 per 1000 seeds.

Special quotations on large quantities. We can now offer a quantity of

ASPARAGUS SPRENGERI DORMANT ROOTS

for early delivery. 1 year, $5 per 100; 2 year, $10 per 100; 3 year, $15 per 100; 4 year, $25 per 100.

	Per 100	Per 1000
ASPARAGUS SPRENGERI SEED; now ready	$1.50	$10.00
ASPARAGUS PLUMOSUS NANUS SEED; new crop on hand	1.25	10.00
CANNA AUSTRIA; strong, field grown pieces	2.25	20.00
CANNA ITALIA; strong, field-grown pieces	3.25	30.00
LATANIA BORBONICA; (seed), just arrived	.35	3.00
TUBEROUS ROOTED BEGONIAS; single to color	2.25	20.00
SINGLE MIXED; all colors	2.00	15.00
DOUBLE MIXED; all colors	6.00	50.00
GLOXINIAS; choice mixed	4.00	30.00

WRITE US FOR SPECIAL PRICES ON ALL SPRING BULBS.

CLUCAS & BODDINGTON CO., 501 and 503 West 13th St., New York City. Telephone Call 403 18th St.

HARDY ROSES, C. H. JOOSTEN, Importer, 193 Greenwich St., NEW YORK.

Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

SAN FRANCISCO.

California Grown Harrisii.

On a visit to Messrs. Grallert & Co., at Colma, I found they were trying California grown bulbs of Lilium Harrisii and L. longiflorum, and they compared very favorably with Bermuda grown stock, particularly the longiflorum. They were grown near Los Angeles.

Mr. Grallert's specialty is carnations, and the most profitable variety with him is Eldorado. Magnet, Minnie Cook and Princess Bonnie are also largely grown. All the novelties of 1897 are on trial, but with the exception of Flora Hill only a few will be retained.

Roses and Carnations at Burlingame.

The establishment of Mr. E. W. McLellan, at Burlingame, is the best appointed and most modern place around San Francisco. He is strong on roses, Bridesmaid, Bride, Meteor, American Beauty and Perle being extensively grown. Carnot is on trial, but though doing fairly well, Mr. McLellan questions whether it will pay to grow it for the San Francisco market. In carnations Portia, Scott and Eldorado are considered the most profitable. Of the new varieties, Flora Hill, Mayor Pingree, and Victor will be planted in increased numbers next season.

The scenery between Burlingame and Menlo Park is very picturesque. On one side is San Francisco Bay, and on the other rising ground with here and there beautiful villas, parks, fields of grain and immense vegetable gardens, some reaching up into the mountains. The various colors of the vegetables give in the distance the effect of an immense parterre of carpet beds.

At Menlo Park.

Menlo Park is a park indeed, the streets and grounds being overgrown by immense live oaks. Here Mr. Sidney Clack leases from the Sunset Seed & Plant Co. their cut flower houses, they retaining the plant houses, which are filled with palms, ferns and decorative plants.

With Mr. Clack carnations are the money makers, and Portia seems to head the list, closely followed by Uncle John. Mr. Clack believes the latter variety rivals the former in number of flowers cut. In roses he grows Beauty, Bride, Maid, Meteor and Perle. But as regards Perle he complains that it does not go well in the San Francisco market.

At Mr. M. Lynch's I saw roses doing grandly in solid beds, the soil being on about a level with that outside, looking as though the beds had simply had a glass house placed over them. Quality and quantity are surely combined in the product of these houses and there must be a great saving in labor. Solid beds for Brides and Maids are evidently the correct thing here though I was shown bench houses in good condition.

Portia is the leader in carnations here and Scott is also grown. In new carnations, Mr. Kenneth Murray, the able grower here, is much impressed with Flora Hill and will grow it largely.

Carnations of California Origin.

Nearer the city I called on Schwerin Bros. They have about 2,000 plants of the set of 50 California carnations that originated with Mr. John H. Sievers. These were sold by Mr. Sievers for planting out in the garden only, but many have been very useful as cut flower producers. The blooms are fancy and Schwerin Bros. have found them very profitable. They intend to plant 6,000 plants of varieties selected from this set. Evidently Mr. Sievers placed a too modest estimate upon the value of his new varieties, or it may be he has some better ones on the way.

FRISCO.

Vaughan, McKellar & Winterson,

WHOLESALE

FLORISTS SUPPLIES
FLORISTS SEEDS
SPRING BULBS

CUT FLOWERS.

All the leading varieties in Carnation Rooted Cuttings.

We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.

Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000.....$ 7.50
Extra fine mixed Gladioli Bulbs, per 1000..... 12.50
Fine mixed Gladioli Bulbs, per 1000 ..... 7.50

SEND FOR CATALOGUE.

Vaughan, McKellar & Winterson, - - 45-47-49 Wabash Ave., Chicago.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

BOXES New Model, Practical Florists' Delivery Boxes

LIGHT AND DURABLE

Made of Wood and Lined with Oil Cloth

WRITE FOR PRICES.

G. MORIN, 125 W. 25th St., NEW YORK CITY.

IT'S A MISTAKE

TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up to date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

SEND FOR CATALOGUE.

GIVE US A TRIAL WE CAN PLEASE YOU.



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Brides
Bridesmaids
Meteors
La France

$1.50 Per Hundred.

DO NOT WRITE FOR OTHER KINDS FOR WE DO NOT GROW THEM.

We shall have abundance of nice Plants later in the season.

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Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

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You will doubtless confer a favor on all your advertisers if you will write and publish an article on the importance of plain writing and full postoffice addresses.

This morning we received a postal card that is anything but plain. We can only guess at the signature. After a good deal of studying we concluded that its heading was Warsaw. The state not being written, we turned the card over to find it in the postmark, but the postmark reads, "Pittsburgh and Chicago P. O.," indicating that the card was mailed on train in one of four states: Illinois, Indiana, Ohio or Pennsylvania. We turned to one state after another in a national directory and found that each one of these states has a Warsaw. We have written a postal card to each one of them, and if we have properly guessed the name we will probably get another communication giving the full address that we requested.

(The above communication seems to cover in itself the point it is desired to emphasize. Every business house has an unpleasantly large number of similarly imperfect names and addresses to decipher. Often it is impossible to reach the writers, and the recipient is condemned for not answering, when an answer would have been immediately forthcoming had the name and address been decipherable.—Ed.)

HEN MANURE.

I have three or four barrels of fresh hen manure and would like to know how to use it in feeding plants in the greenhouse. Will it be safe to use it on carnations? How much shall I use to a barrel of 50 gallons of water? Please give me full instructions.

W. J. M.

Don't attempt to use the hen manure except as a liquid. If you do use it otherwise it should be mixed with earth for some time first, and then in making a compost one-twentieth of the manure is enough. One gallon of the manure to 50 gallons of water will make a strong solution. Better be on the safe side and apply to the bench not oftener than once in two weeks. WM. SCOTT.

SWEETPEA REVIEW.

The Sunset Seed and Plant Co., San Francisco, has published a third edition of their "Sweet Pea Review," and a copy is at hand. This is certainly a very useful little handbook of the sweet pea and we are pleased to see the publishers are keeping it thoroughly up to date. No one interested in sweet peas can afford to be without it. In no other publication that we know anything about is there given so much really useful information about this popular flower.

RICHMOND, KY.—J. E. Kuns is building a greenhouse and will embark in the florists' business here.

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Extra (short supply)	"	3.00—4.00
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Beauties, long	per doz.,	6.00—
" medium	"	3.00—
" short	"	1.25—2.00
Brides	per 100,	6.00—8.00
Maids	"	6.00—8.00
Meteor	"	5.00—7.00
Perles	"	4.00—5.00
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum	per 100,	1.00—
Common Fancy	per 1000,	1.50—
Smilax	per doz, $1.25; per 100,	10.00—
Galax	per 100, 15c., per 1000,	1.25—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
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Fresh stock always on hand.		
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Mignonette	per bunch of 25,	.50—1.00
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Harrisii	"	1.50—
Romans	per 100,	2.00—3.00
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Valley	"	2.00—4.00
Violets	"	.75—1.00
Tulips	"	2.00—3.00
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Mittings' Pansy, large flowering, choice. ¼ oz., $1.00; 1 oz., $4.00.

....PLANTS....

Alternanthera, Aurea Nana, and P. Major, 2¼ inches, strong, $2.00 per 100; $15.00 per 1000.

800 Robin Hood Carnation Cuttings, spare, strong and healthy; large scarlet at $3.00 per 100.

500 Mrs Chas. Duhme, at ..... $4.00 per 100

500 C. A. Dana, at ..... 4.00 "

2000 Wm. Scott, at $1.00 per 100, $7.00 per 1000.

5000 Coleus, 20 choice bedders, 2¼ inches, at $1.50 per 100.

Lycopodium Denticulatum. 2¼ inches, $2.00 per 100.

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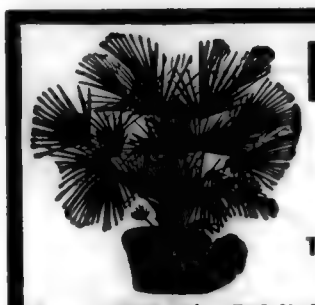
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Brides, 1st, per 100	4.00 to 6.00
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Bridesmaids, 1st, per 100	4.00 to 6.00
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Testouts, 1st, per 100	4.00 to 6.00
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Cusins, 1st, per 100	4.00 to 6.00
Cusins, 2d, per 100	2.00 to 3.00
Perles, per 100	2.00 to 3.00
Carnations, per 100	.75 to 2.00
Carnations, fancy, per 100	3.00 to 6.00
Valley, per 100	1.00 to 2.00
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	5.00 to 8.00
Violets, per 100	.40 to .75
Paper white Narcissus, per 100	1.00 to 2.00
Cattleyas, per 100	25.00 to 40.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 3.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	6.00 to 12.00
Asparagus, per 100	50.00
Purple Lilac	40c to 75c per bunch
White Lilac	1.00 per bunch

For special prices on fancy and extra grade stock, see our New York letter.

GOVERNMENT COMPETITION.

The Cleveland Florists' Club has adopted the following vigorous resolutions, and some similar action should be taken by every trade organization in the United States:

Whereas, The practice of distributing plants and cut flowers, grown at the public expense has become so general as to amount to an abuse of the public money, paid in part by the florists of the country at large, thereby giving them a direct and personal interest in such abuse of the functions of government; and,

Whereas, The said distribution works a direct and serious injury to the florists and gardeners of the city of Washington, D. C., by bringing the servants of the government, maintained at the public expense, in the direct competition with the said florists of Washington, to the detriment of their business; be it hereby

Resolved, By the members of the Cleveland Florists' Club, that the members of the craft in Washington are entitled to the earnest sympathy and support of florists throughout the country, in their fight to overcome this abuse, and that the said Cleveland Florists' Club hereby protests against the misuse of public funds and facilities for the production of plants and flowers for gratuitous distribution in competition with legitimate trades of any description, and the secretary is hereby directed and authorized to forward copies of these resolutions to the Congressmen of this district, and to the Senators from Ohio, and also the trade papers, and to the Commercial Florists' Association of Washington, D. C.

Adopted Jan. 24, 1898.

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5,000 Smilax From flats, by mail, 50c per 100, $1 per 1,000; from 2-inch pots, $1.50 per 100, $13 per 1,000; from 3-inch pots, $3 per 100. Send for samples. Cash with the order.

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Something New and Well Tested.

PLANT BRAND. A natural fertilizer for Palms, Tropical and Pot Plants; it intensifies color, and possesses healthful and invigorating qualities, and is harmless and odorless.

FLOWER BRAND. For Carnations, Violets and all bench plants in course of preparation.

A trial will convince you a long felt want is at last supplied. Experiments show wonderful results.

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(Agent) **Short Hills, N. J.**

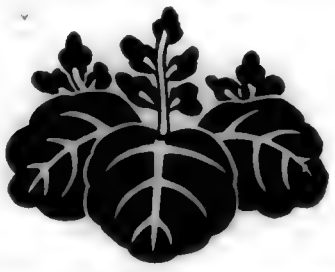
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These bulbs have never before been offered so low. We offer them in separate colors—pink, scarlet and yellow—at only **$6.00 per 100, $50.00 per 1,000.**

SINGLE TUBEROUS-ROOTED BEGONIAS, in separate colors—white, pink, scarlet and yellow, $3 per 100, $25 per 1,000.

GLOXINIA HYBRIDA ERECTA CRASSIFOLIA, finest strain, $4 per 100, $30 per $1,000.

CALADIUM ESCULENTUM, Large bulbs, 6-9 in. in circumference, $3 per 100, $25 per 1,000. Extra-sized bulbs, 9-12 in. in circumference, $6 per 100, $50 per 1,000.

CANNAS, strong dormant roots, leading varieties, $3 per 100, $25 per 1,000.

DAHLIAS, finest named varieties, **Cactus, large-flowering** or **Pompon,** $3 per 100.

TUBEROSE PEARL, $1 per 100, $7.50 per 1,000.

RICHARDIA ALBA MACULATA, $4 per 100, $30 per 1,000.

Send for our large Descriptive Catalogue and Wholesale List. We offer finest assortment of the best new Chrysanthemums, Cannas, Carnations, Dahlias, also a magnificent stock of palms and other decorative plants, Hybrid Perpetual Roses, other hardy plants, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

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EARLIEST FRENCH CHABAUD CARNATION. New hardy class, combining the perfection of flowers of the Perpetuals, with the earliness of Margaret Carnations, blooming seven months after being sown. Price per pkt., 35c.

GIANT PERPETUAL CARNATION. An improved class of Chabaud Carnation: very large flowers of excellent shape. Per 100 seeds, 75c.

BENARY'S FINEST MIXED NON PLUS ULTRA, saved from flowers of finest quality only. Per 100 seeds, 50c.

VERBENA. SUPERB MAMMOTH MIXTURE. This strain has been grown from carefully selected stock of named sorts, all large flowering varieties. Price per pkt., 25c.; per oz., $1.50.

ALLEN'S DEFIANCE MIGNONETTE. The best Mignonette in the market. Price per pkt., 25c.; per oz., $1.00.

High Grade Florists' Flower Seed and Bulbs.

When Writing Mention Florists' Review. **STUMPP & WALTER CO., 50 Barclay St., N. Y.**

Carnations.

Good Strong Stock at

Bottom Prices.

From Sand or Soil. Ready Now or Later.

Daybreak	$1.25 per 100;	$10.00 per 1000.
Tidal Wave	$1.25 per 100.	
McGowan	$1.00 per 100;	$9.00 per 1000.
Wm. Scott	$0.75 per 100;	$7.50 per 1000.

CASH WITH ORDER.

LAKE GENEVA FLORAL CO.,

Lake Geneva, - - - Wis.

ALTERNANTHERAS R. C. A. Nana, P. Major, R. Nana, 75c per 100, $5 per 1,000.

BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.

GERANIUMS **Bruant,** 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.

CANNAS nicely started, Mme. Crozy, P. Marquant, L. E. Bally. In assortment, $2.00 per 100.

A. J. BALDWIN, Newark, O.

Vaughan, McKellar & Winterson, Chicago, acknowledge no superiors in the packing of cut flowers for shipment.

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ARE REMINDED THAT They will materially advance the interests of their paper by buying supplies of the advertisers in the

Always MENTION the name of the paper when sending inquiries or orders.

Florists' Review....

LOS ANGELES, CAL.

The unusually cold weather for southern California the last two months, has made a shortage in cut flowers. Even carnations, for which this section is becoming so noted, have not met the demand.

The Redondo growers are about, if not the only ones, that have not suffered from the frost. They have some thirty acres planted to carnations. Mr. Feder is cutting from 2,500 to 3,000 per week, and the Redondo Beach Co. about the same. While they are not cutting nearly so many as they would if the weather was more favorable, yet the quality does not seem to be affected, as they have as fine blooms as one could find.

J. J. Dean, of Moneta, in the valley between Redondo and Los Angeles, would have lost a good deal if he had not had his young stock under glass. The frost ruined his outdoor stock for cut flowers. Capt. Gray, of the Ingleside Nursery, Alhambra, suffered about as badly. What carnations he is cutting, he has under glass.

We think the palm will have to be awarded to the Redondo growers, both as to quality and quantity. M.

CATALOGUES RECEIVED.

F. Dorner & Sons Co., Lafayette, Ind., carnations, chrysanthemums, cannas, violets; Albert M. Herr, Lancaster, Pa., some experiences with the old and new carnations; A. W. Livingston's Sons, Columbus, Ohio, seeds, plants and bulbs; L. L. May & Co., St. Paul, Minn., farm and floral guide, same, seeds; Conard & Jones Co., West Grove, Pa., seeds, plants and bulbs; Japanese Nursery, Boston, Mass., trees, plants, bulbs, seeds, etc.; Oak Grove Nurseries, Los Angeles, Cal., wholesale price list of seeds, bulbs, plants; R. Witterstaetter, Sedamsville, Ohio, new and standard carnations; Theo. Bock, Hamilton, Ohio, new and choice chrysanthemums; W. W. Rawson & Co., Boston, Mass., seeds, plants, bulbs, implements; Mrs. Theodosia B. Shepherd, Ventura, Cal., plants, seeds, bulbs, palms, cacti, etc.; D. Landreth & Sons, Philadelphia, seeds; J. C. Suffern, Voorhies, Ill., seeds; Hiram T. Jones, Elizabeth, N. J., nursery stock; Ellwanger & Barry, Rochester, N. Y., supplementary catalogue of novelties and specialties.

NEW CARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $10 per 100.

Send for Price List of Standard Sorts

WM. SWAYNE,

Box 226. Kennett Square, Pa.

Kennicott Bros. Co. is the oldest and most reliable wholesale commission cut flower establishment in Chicago.

Carnations

New Carnations---------

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND — DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.

PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida
(Cape Jasmin.)

3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.
25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.
5,000 Olea fragans, 12 to 15-in., $12 per 100, 18 to 20-in.. 15 per 100.
Oranges, best sorts grafted, 15-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.
Crotons, 3-in. pots, $10 per 100.

Send for Trade List. Address

P. J. BERCKMANS
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Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

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ROCHESTER, N. Y.

Looking in at the establishment of J. B. Keller's Sons, I found the worthy Mr. Keller, senior, busily engaged in tying up a fine specimen of Dendrobium nobile, and it occurred to me that as this house possesses a large stock and had such success with this plant, an article in The Review would be highly appreciated. This was declined, however, on the ground that the herbaceous department required Mr. Keller's sole attention, so he kindly furnished your correspondent with the following particulars:

Dendrobium nobile and its varieties are most easy of propagation, young growths taken off being preferred to divisions. Not less than two, and usually three and four of these rooted growths are put together in a pan. Within the space of two years a strong plant will be obtained, and when producing, say, three flowering and three green growths, it is a pretty and well shaped plant, that will find a ready sale at fair price. Quite a number of plants such as are herein described were disposed of at Christmas, and more were in demand. While these have been grown only with part crocks and part sphagnum, Mr. Keller intends experimenting with Jadoo, having an idea this may be a good thing for free-growing varieties of orchids.

Geo. Savage, of the Kimball greenhouses, has a grand lot of Dendrobes. Wardianum is simply immense. He has a batch of Cypripedium Lawrenceanum and varieties which are the picture of health (this does not insinuate others are not healthy). Even when not in bloom this plant is ornamental, its marbled foliage being very effective. Of insigne varieties Barryanum and Dormanianum are considered the finest, excepting that lovely variety Laura Kimball, for which Mr. Savage has received a number of inquiries, but will have no plants to dispose of for a long time. The first species disposable goes across the pond, and at a big figure. Cypripedium Sallierii Hyeanum is one of the finest of the species. Suspended in the aquatic house are some splendid pieces of Laelia anceps stella and the true alba in flower, truly beautiful and useful; also L. Sanderiana, but I see little difference between this variety and stella.

Angraecums are coming into flower, also phalaenopsis varieties, which latter, to my mind, is one of the most chaste and graceful of the orchid family.

Mr. Savage forces large quantities of Dutch bulbs and many lilacs. The latter are started under the bench and are gradually brought to light with entire success. He has a good bed of violets, but we must give the palm for these to Fred Schlegel's Sons, who have this season the finest lot seen in this section for many years. Freddy is justly elated over their good fortune. W. M.

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Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (2-in.), $20 per 1000.

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Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

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INDIANAPOLIS.

The Cold Snap.

The cold snap was very severe in this section, the extreme stormy condition making it hard to keep greenhouses warm. Natural gas is now only burned by but few, the gas companies gave notice early in the winter that they would shut the gas off, as their supply was getting too short but to supply only private houses. There is no question but what the natural gas is slowly but surely getting lower each year, especially since the oil companies are letting much gas escape to get at the oil all over the northern part of Indiana and Ohio.

The demand for all stock, while not very brisk is satisfactory. Violets are getting plentiful. Carnations are also coming in lively and of good quality. Roses are somewhat scarce; shipped stock inferior with prices too high for the quality.

SAVANNAH, GA.

Journeying from Charleston to this busy shipping port, upon what is known as the Atlantic Accommodation Express, we stopped at a hustling place named Jacksontown. My attention was arrested by a prominent sign which read thus: "No cursing or blackguarding in this town under penalty of $5." (Fact!) I learned that no member of the craft existed there, so came on to the City of Sabals, where I found A. C. Oelschig, one of the busiest men I have met of late, cleaning up after a big decoration. He grows adiantums in solid beds and lifts them bodily when occasion needs it for decorative purposes. Roses, Pres't Carnot and White La France are grown extensively; this is a rose country.

Geo. Wagner has great success in the raising of narcissus, having a whole field devoted to their culture. He also grows La France largely. W. M.



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Alaska .... Scott ..... McGowan.. Albertini .. Kellar ..... $2.00 per 100, $15.00 per 1000
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Armazindy, $4 per 100
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Two-inch pots $20.00 to $40.00 per 1000.

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New Pink Carnation **Mrs. Frances Joost**

Seedling from McGowan x Wm. Scott; tested for four years. It is of an exceedingly pleasing color and proved itself an early and most prolific bloomer. It makes in a short time a fine bushy plant, and has the form and habit of what carnation men say make an ideal plant. Positively free from rust. The stem is strong and heavy enough to carry the large flower erect without tying of any sort. Calyx perfect; never bursts. It is a good keeper and a good shipper. You will make no mistake by trying a few. All orders filled in rotation. As the sale of the stock of this Carnation will be limited, it is advisable to order early if you want any. Satisfaction guaranteed.

Price, $2 per doz.; $10 per 100; $75 per 1000.
Cash with Order.

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ST. PAUL, MINN.

Trade for the past month has been very encouraging, there being a good demand for all flowers. Stock, however, has been scarce, and more flowers have been shipped than ever before for a like period. The immediate cause for the shortage in the cut is not easy to determine. It certainly cannot be attributed to the weather, for that has been perfect since Christmas. The days have been cloudless, while the thermometer has registered below zero but once in 6 weeks. All the growers had an unusually big cut for Christmas and in the natural order of events should have had another good crop since. While there is a good growth of wood roses are not showing many buds, and carnations seem to stand still. Violets are plentiful and in good demand, the call for California being equal to Marie Louise.

There has not been a big demand for Perles this season. Meteor and Bridesmaid are the best sellers. In carnations Daybreak is a favorite, with many, though Scott and Tidal Wave are in good demand and Jubilee is a favorite with all, not only on account of its color, but also for its immense blooms and good stems.

The outlook for spring trade is encouraging. The open winter has materially decreased the coal bills, while retail trade during the winter would indicate that times are greatly improved. Growers have realized better prices this winter than for several years, while the large quantities of flowers being shipped in from Milwaukee and Chicago would indicate that there are golden opportunities here for good rose and carnation growers. What we need are more specialists.

Carlsen & Lauritsen, who purchased the Warrendale greenhouses last summer, are growing fine roses and violets. They put in a new boiler and a violet house since purchasing the property, besides other needed improvements.

X. Y. Z.

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For prices see adv. in Jan. 27th issue, Page 413.

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Vol. 1. CHICAGO AND NEW YORK, MARCH 3, 1898. No. 14.



Pteris Victoriae.

PTERIS VICTORIAE.

This novelty of a few years ago has already become quite a necessity to some of our fern growers, and has been distributed by thousands within the past five or six years.

The variegated ferns available for florists' use are nearly all to be found in the pteris family, and the form in question has proved to be quite an acquisition to the group, at the same time serving to remind us of the wide distribution of the various members of this genus, P. Victoriae having been introduced from the Solomon Islands, while other members of the same family are found in Europe, Asia, Africa, America and Australasia.

Pteris Victoriae is quite a compact growing fern in a small state, the barren fronds being short and spreading, while the fertile ones are much longer and more upright, the pinnae of the latter being quite narrow and contracted in much the same way as those of P. cretica albo-lineata are when fertile.

The fronds of P. Victoriae are much more closely variegated than those of the last named variety, the marking being especially bright and pretty on the fertile fronds, while the whole plant is more attractive, though possibly less vigorous and wiry in constitution. P. Victoriae produces spores in the same profusion that is common to the genus, and their germination is equally free, so that it is by no means difficult to get up a stock.

In potting off the seedlings a better result will be obtained by placing two or three of them together in one pot, thus making bushy little plants that fill up to advantage in a table fernery.

In regard to culture nothing special need be mentioned, for the same conditions that are found suitable for P. serrulata and P. cretica will answer equally well for the species in question.

W. H. TAPLIN.

THE GERMINATION OF CHOICE SMALL SEEDS.

Seed sowing is now an important part of the work of the florist. The methods pursued are various and the results vary as widely as the methods. I recall a case where I had sent each of two neighboring growers a quantity of gloxinia seed, both lots out of the same bottle of seed, and on visiting them later found that one had a box of seedlings in which the little plants were "as thick as the hair on a dog's back," while the box in which the other had made his sowing had produced nothing but green moss. The failure had been due to lack of drainage. It was a forcible illustration of how a seedsman may be condemned when entirely free from blame. In sowing seed the most important thing is to

secure fresh, clean soil free from manure and fungus; the same can be said of sand. See that the pot, pan or flat is clean; every particle of green or dirt should be removed. These should be filled one-half with drainage. Upon this put a layer of moss or rough material to prevent the fine soil from choking it. Fill then to within one inch of the top, pressing the soil firmly and making it level with the aid of a bottom of a pot, watching that a space of about an inch is left between the soil and top. I mention this again, as the reader will readily see in reading this article how imperative this little space is to the well being of the embryo plants. Before filling the utensil the soil must be finely sifted in order that the germinating root will take readily to it.

This being accomplished, immerse them in water until thoroughly soaked, then remove them, allowing time for the water to drain off, and afterwards sow the seeds, exercising care to evenly distribute them over the soil. I have found the following a desirable way to do this. Take a piece of stiff paper, on which put the seeds; by tapping it lightly and tracing evenly over the surface the seeds will fall just where they are most desired. This done, take sand and distribute in the same manner; only a very small quantity must be used. After this, take something with a smooth surface and press down lightly. The seeds and sand will then be firm and will not wash if by chance water is used. In this way the seedlings will not lie down in every direction, but will stand erect; the seed, being firmly wedged in the soil, acts as a support to the plant.

The majority of seeds will germinate in from ten to twenty days, so the strictest attention must be given to avoid the seeds germinating and the plants becoming worthless by being drawn and degenerated from want of fresh air. They should be examined at least once each day.

The seeds being sown as described, the utensils must be carefully covered with glass, keeping close for a few days. This should be covered with moss and moistened, making the space between the top of the pot dark, which will help to develop the seeds in much less time than if exposed to the light and sun. The moss being kept moist will tend to retain the moisture in the soil and save the trouble of watering every day; every morning when looking after them, and if found to be wanting moisture take the glass off carefully and allow the water condensed on it to gradually run off at one corner, moistening the spots that are dry. If this fails to give water enough a sponge can be used better than anything else. Watering in this way will not dislodge the seeds from their positions.

At the first signs of life a little air must be admitted and a small quantity of the moss removed to allow of light, but this should be done very gradually day by day as progress is made in their growth, until the glass along with the moss is entirely removed. The utensils in which seeds are germinated should be put in a light, warm house. This will facilitate their germination to a certain extent and prevent damping off or the development of "web," which is the greatest enemy of all seedlings. Close adherence to these rules will save much unnecessary disappointment and many aching hearts.

F. L. ATKINS.

Short Hills, N. J.



Fig. 1.

Green Roses. Four upon the Same Stem.

GREEN ROSES AND OTHER MALFORMED BLOOMS.

The rose, of all flowers, is the most inclined to vary so far from the type as to become a monstrosity. For the present no attempt will be made to account for this. Recently a friend brought the writer a cane of a tender rose, variety not known to him, that exhibited four "green roses" and a photograph has been taken of it, from which the accompanying engraving (Fig. 1) has been made.

In this engraving all the four flowers are nearly equal in size, but the photograph secured only two of them in fair focus. One of the peculiarities of these roses is the form of the petals. Unlike the ordinary ones, these roses have petals that are strongly veined and have the edges strongly saw-toothed. They are of a deep green color, agreeing in this closely with the foliage of the plant. While rose leaves are compound, composed of an odd number of leaflets, the green petals are simple and correspond to the terminal leaflets of ordinary leaflets.

The feature of these green roses and the one that determined the writer to bring the matter to the attention of rose growers was the odor of the green blooms. The fragrance was as delicate as that of the ordinary blossoms and, after being cut and confined in a small space, the four green roses produced as abundant and characteristic odor as could have been expected from an equal number of the best specimens of the sweetest sorts. This fact was a surprise to many who had their attention called to it and the writer would be pleased to learn if this fact usually holds with green roses.

It would seem that in the attempt to revert to leaves, the more superficial characteristics of foliage had been acquired while the deeper one of per-

fume had not been lost in any apparent degree. This is only what might be expected, for the glands to secrete the fragrance have more significance in the rose than mere shape and color.

In the development of floral organs from foliage the bright colors doubtless came before the odor, or in other words, a change of color that is a loss of the floral tint is a less transition than the destruction of the glands that furnish the odor.

Masters, in his Vegetable Teratology, mentions several cases of alterations in roses. One of these is of a case where the sepals become leafy in the ordinary sense that it has the usual compound leaves, the tip or swollen urn shaped cavity is absent and the stem grows for some distance beyond a ring of petals and then bears a supplementary flower. This is the ordinary form of a proliferous rose, that is, one placed above another or in prolongation of the floral axis.

This manner of increase may be carried so far that from the center of a flower, a whole bush, bearing several blooms, may proceed. This is shown in figure 2, redrawn from a cut given by Dr. Masters. The result is quite different from the green roses in the first engraving, but upon the final analysis the end reached is the same. In both there is proof that a rose is only a branch more or less modified, shortened and swollen, and bearing leaves that form a change of form and coloring designated petals, etc., instead of leaves. Flowers, in short, are transformed stems with their metamorphosed leaves for a purpose other than that of food synthesis. These malformations are sometimes the key to the true significance of the parts that have been changed. In other words, the disguise is removed and the structure stands out in its plain morphological light.

BYRON D. HALSTED.

Rutgers College, New Brunswick, N. J., Jan. 19, 1898.

TOMATO GROWING UNDER GLASS IN WINTER.

The seed is sown in flats about July 10, which place in a cold frame or greenhouse. Attend closely to watering in this stage as in every other stage of their growth. When the first rough leaf is developed pot singly into 3-inch pots which will carry them until they are planted into their permanent quarters for fruiting, which is done towards the end of August.

Tomatoes can be grown successfully in solid beds, ordinary greenhouse benches or boxes, the latter about 12 inches deep preferable. The soil most suitable is fibrous loam mixed with a little well rotted manure about one-tenth of the latter to about nine-tenths of the loam. Press the soil moderately firm. Introduce your plants, planting twenty inches apart in the row and two feet between the rows, that is on benches.

In training the leader or leaders, as some growers favor one, others two, let them grow, without pinching, until the crop of fruit is formed, then keep them pinched. Strong string is generally used for supporting the plants, one end of string secured to screw eyes in the sash bars, the other end tied near the base of the plants but allowing sufficient room for the development of the stem, the leaf above the tie prevents the string slipping up the stem. The string can hang from the perpendicular position to the horizontal, or any angle between. A plant should have six or seven feet length of string to furnish a crop of fruit. If one leader only is grown twist it around the string as it grows. If two leaders are



Fig. 2.

A Rose from which a branch with several rose buds had grown. (After Masters.)

grown to a plant the second one should be tied into place from time to time. If the strings have to be sloped on account of lack of height, and greenhouse runs east and west, I prefer sloping to the east as more of the fruit is exposed to the beneficial action of the sun. Pinch out all growth from time to time except the leading shoots, also cut the ends of leaves away when too crowded. From the first development of flowers on the plants, until the entire crop is set, shake the plants daily about noon, that is on sunny days, when there will be more or less pollen ripe for distribution. Two or three slight quick taps of the plant close to the blossoms have the desired effect. This has to be resorted to as they are never fertilized by bees, as are most flowers. When the greater part of the crop is set and swelling off the fruit, a mulch of rotten manure is of great benefit or a watering twice a week with manure water (cow manure is the best). I prefer feeding them at this stage rather than to make the soil too rich when the plants are first planted, as then they are apt to grow too luxuriant, at the expense of fruiting.

The greatest trouble in growing a winter crop of tomatoes is to keep mildew away or in check. A house of tomatoes, like a house of roses, is often permanently injured by neglecting to use a little fire heat on cool nights during the month of October with a little top ventilation; it is bound to bring that great evil mildew. If fire heat cannot be resorted to at that time, I certainly would recommend giving a little top ventilation and give every available surface a dusting of air slacked lime and sulphur, equal parts. A tomato crop never wants syringing throughout its career, in fact it is better to withhold water overhead, but don't let them suffer for moisture at the roots.

The first crop of tomatoes on benches being over in February, if planted at the end of August, and the house is wanted for tomatoes again, clear out the vines, cut the strings at the bottom of the plants, slide the plants off the strings and the strings will be strong enough to carry the next crop. The top half of the soil should be removed and replaced by fresh soil, with a moderate dressing of manure. Fork all up together and introduce your plants, which can be had in good condition by sowing the first of December. This crop will come in the beginning of May.

The proper temperature for winter tomatoes is 60 degrees by night with a rise of 10 degrees by day, or more with sun heat. The most useful variety to grow up to date I believe to be Lorillard, seeds saved from plants grown on strong soil. I know of no plant that is more benefited by a change of soil and location than the tomato (that is for seed growing.) H.

THE CELERY LEAF-TYER.

(Phlyctaenia ferrugalis Hbn.)

February 12 of the present year Mr. Robert Mearns wrote Dr. L. O. Howard, entomologist of the Department of Agriculture, that this species, specimens of which in its different stages were received, was doing great injury in greenhouses in Toronto, Canada, and request was made for an account of it, to be published in The Florists' Review. Inasmuch as the writer has had experience with this species, dating from the year 1893, at the World's Fair, at Chicago, Ill., he has been requested by Dr. Howard to prepare the short account which follows.

The insect concerned in this damage is the so-called celery-borer (Phlyctaenia ferrugalis Hbn.), a cosmopolitan moth introduced into this country some time ago, presumably from Europe. Injury is due to the larva or caterpillar. This is yellow or green, with a pale brownish head, and the first thoracic joint, or that just behind the head, bears on each side two small but conspicuous black dots. The body is striped longitudinally with white lines on the upper surface, and is rath-

er sparingly covered with short hairs. It measures nearly an inch in length. The moth which produces this larva is a member of the family Pyraustidae and of the superfamily Pyralidina, and was first recognized and described in this country in 1877, as Botis harveyana Grote. It is an inconspicuous little brown species with a wing expanse of about three-fourths of an inch. The fore-wings are light brown, lined with black; the hind-wings light gray, bordered behind with light brownish.

This moth was described by Huebner early in the present century and its life history was first made public in Europe in 1878. Ten years later it was reared at this office. Further study is still desirable of its food and other habits in this country. Although occurring out of doors, its injuries are confined, for the most part, to plants in conservatories. In Europe it is not known to be especially injurious, but it has already been shown to be very destructive in some localities in America.

The moth lays its white eggs on the plant which is to serve as the food for its larvae. The larva, when hatched, usually conceals itself by drawing together, by means of its white silken web, a portion of a leaf, or thus joins two contiguous leaves, and feeds upon their lower surface, chiefly at night. By day it rests in the same locations and here also transforms to the pupa or chrysalis and subsequently to the imago or moth state. The moth is a night flyer and like the larva passes the day in concealment on the under surface of the leaves.

One writer has called this insect the celery-borer, from the habit of the larva of boring into celery stems, but this is without doubt an exceptional habit as it is normally a leaf-feeder, and although its habits vary, it usually joins together the leaves of the plant upon which it lives. For this reason the name of celery leaf-tyer is proposed as more appropriate.

It appears to feed by preference on the terminal leaves of most plants. Its known host plants include celery, violets and nodding thistle (Carduus cernuus) on which it has been noted in and about the District of Columbia; wandering jew (Tradescantia zebrina), and ground ivy (Nepeta glechoma) which it was injuring at Chicago, Ill.; hemp-agrimony (Eupatorium cannabinum), archangel, or deye-nettle (Stachys sylvatica), and strawberry, on which it has been observed in Europe. This list will undoubtedly be considerably extended by future observations.

The earliest appearance of the moth and the number of broods that are produced annually in the open are not known. Indoors, injury begins from early spring and continues at least as late as September, and probably longer. Two or more generations are probably produced annually, and in hothouses perhaps a still greater number.

Remedies.—It has not yet been ascertained whether a spray of Paris green or other insecticide would effect the destruction of the larva of this species. It can be controlled by hand-picking or trimming away and destroying all infested portions in the green-houses as often as they are detected. This has been successfully practiced in a number of cases, but it is somewhat laborious, and it is hoped that the future may result in the discovery of some more effective remedy.

Hydrocyanic acid gas, the use of which as an insecticide was first developed some years ago by agents of this office and which has been recommended for greenhouse work in the columns of the Review, should be of value against this insect; in fact, Mr. P. H. Dorsett, of this department, states that it is the most satisfactory remedy known for this pest, in his experience one treatment a month sufficing to keep the plants clear of this as well as other insects. For those who are not already familiar with this remedy, particular attention should be called to the cautions given, as hydrocyanic acid is one of the deadliest poisons known, and its use should not be recommended except under the direction of competent persons.

The Division of Entomology would be glad to hear from florists and others who have had experience with this moth that more may be learned of its injuries, its food plants and distribution, and of the best means for its suppression.

E. H. CHITTENDEN,
Assistant Entomologist, U. S. Department of Agriculture.
Washington, D. C., Feb 21, 1898.

SIMPLE FLORAL ARRANGEMENTS.

The Wreath.

Among the many forms that flowers are made to assume, one of the most pleasing is the wreath. At first probably, the flowers were woven into a chain or band, and when of sufficient length, the two ends were fastened together to form a garland. The next step in its evolution would be the addition of a twig fastened in the shape of a circle, to make a foundation, and to give strength and form. This is yet a very good way to make a wreath. One or more pieces of rattan are bound and wrapped with raffia, the flowers and other material are placed as may be desired, each piece being secured by a wrap of the tying material, the ends brought together and fastened, the union carefully hidden, and finished with a suitable bow of ribbon.

Usually, however, the florist makes use of the ready made form, or wire frame; and the illustration shows a plain wreath made in that way on a 12-inch frame. If several kinds of flowers are used, they may either be interspersed over the entire surface of the wreath, or groupings may be made of each of the principal kinds, which is more effective.

In either case, they should not be inserted perpendicularly, but given a suitable incline, and in a wreath like this, should all slope alike. Care must be used if the piece be small to have the shape show plainly when finished; otherwise it will be but a plat of flowers; and whenever it is necessary to explain what an ordinary design is meant to represent, the maker has made a mistake.

W. T. BELL.

THE STORY OF AN EMIGRANT FLORIST.

V.

We halted in front of the graperies to recall the voluminous discussions of D. F. Fish and other high priests of the profession of thirty years ago. A little more of the garden I must show, but before leaving this little square that was about filled up with dwarf pears I remember two plants that many of my readers never saw growing in the open air. One was the olive, barely hardy there, but with the protection of a brick wall it struggled along, and I don't remember its being hurt by the wintry blasts. The other, a large clump of Jasminum revolutum, the beautiful yellow jasmine as fragrant as the grandiflorum for which we occasionally have inquiries when a wedding is on the boards; and it was perfectly hardy. The entrance to the fruit room opened on this square. If by chance the door of this precious room was left unlocked for a few moments a small boy or two made a raid on it, improving each moment of bliss, as the most temperate section of the members of the S. A. F. do at a free feed during our conventions.

The old potting sheds occupied the south side of this square. It was in there the writer was taught the scientific operation of putting a piece of crock as large as a ten cent piece into a 2-inch pot, and into a 4-inch several little crocks were tumbled and perhaps a piece of moss as well; how absurd this was in those small pots. It certainly did not prevent the plants from doing well but did they do any better? If not it was a waste of time. However, it was on the safe side and better than the advice of a most worthy and enterprising man of New York who thirty years ago told us many good things about our business and brushed away the cobwebs with which many of our operators were covered, but who was radical enough to say that drainage was as useless in a 12-inch as in a 2-inch, no matter what the plant was. That worthy man lived to think differently and in his own phraseology he "acknowledged the corn." I can see the Russian mats hanging on the wall, the peat, the splendid loam, the silver sand, the shelf on which were laid the labels, and the faces of many different men, some young men, ardent for their business and to teach others, who have doubtless evolved into a Jaggs, but more vivid is the remembrance of those permanent hands, one will always find on such places, and who are really the trusted men and skilled workmen of the garden. They entered



The Wreath.

SIMPLE FLORAL ARRANGEMENTS. No. 5.

the garden when lads with no ambition to learn but for subsistence, but through years of experience have so acquired knowledge that at potting, shifting, planting, tying and other work can give points to the young gardener who is going from place to place to improve himself. The so-called journeyman gardener seldom gets a chance to have a varied experience; he is put at one job and usually it is a long one. However they are there to work, as well as learn, so they must not complain.

I did not mean to infer that all the lads of the neighboring village who entered the garden developed into skilled gardeners, not by any means; no more than all the workmen we have in our greenhouses will become successful florists even if there were room for all. The large majority will remain merely florists' workmen. They do not spend their leisure hours or even a part of them in reading florists' journals or any other literature. Their time is spent during the day, mechanically, with their hands, while their minds are on their last game of pedro, pool, or their last baby. Their evenings are their own. Would that they would use them in gaining some kind of useful knowledge. Luck enters but little into our prosperity or misfortune. We get our deserts just about as we deserve, and if you don't put something into your heads by reading and observation, when you have occasion to tap your brains there will be a dry bung hole from which nothing but wind will escape. One more word: I often hear such remarks as this: "There is so and so; he never studied much and he made lots of money." Very likely that's the case in thousands of instances; great selfishness. A mind unhampered with any thought but the acquisition of wealth, and alas in many cases imposition and even fraud, has led to many fortunes. An empty mind may envy them. A broad-minded man of education is contented with his lot, even be it humble. His own meditations are a greater solace than all the luxuries that gold can buy.

There were several old chaps, steady hands in this garden, with whom I would much enjoy a chat, but they have long ago passed to that garden where you don't have to lug the hose from one side of the house to the other, where the several systems of heating are not under discussion and the drummer in his official capacity is silent. There was old Tommy F. who was allowed to have very much his own way in the several acres of the kitchen garden, who banked up the seakale, built his melon beds, picked his brussels sprouts and dug his fertile acres, often with a tall silk hat of ancient make. That would seem funny to our young folks but it's no unusual sight, especially in Ireland, to see a cottager tilling his garden patch wearing coarse homespun breeches and vest but topped off with an old beaver or silk headgear. It was usually "the hat my father wore" and sadly needed blocking but perfectly becoming. This good old worthy vegetable gardener was a pious man with a strictly religious wife. It seemed to me that with a certain class, the established Church, the Episcopal, must have been at that time unpopular. If there was a lively religious feeling entered any of their breasts the old church did not afford them scope for emotional display and zeal in the cause. The Wesleyan Methodists had a good many active converts; then there were the Primitive Methodists or ranters who had a small meeting house, I suppose, but whose most fervent revivals were held in houses of the members on Sunday afternoons. At the most distant entrance to the park, at a humble lodge gate, dwelt one of those enthusiasts. He spent the week working in the woods but Sunday he was the center of the circle. It must have been very small, for the largest room in the house was not over 6x9. On a fine summer's Sunday afternoon you could hear, at more than a mile distant, his fervid prayer and the prolonged Amen of his friends. Let us hope that the efficacy of the prayer was in proportion to the volume of sound.

Then there was old Billy B., who lived on the island and who was hairless, having absolutely lost that ornament in middle life by typhoid fever. What a handy old man he was with scythe or shears or edging iron. So far as theology went Billy had no very determined views, being guided by his spouse, who, like many another woman, did the thinking for the family. She was a large, broad woman of what you may call a full habit, but with very pronounced convictions of what was proper. I never had the pleasure of seeing her in church, but I will wager she was a pillar. The following incident will show her great discernment between your duty in this world and a leaning to its frivolities; A club gave an evening with the "Magic lantern" with harmless views. On being asked next day if she attended, she replied: "No, the magic lantern may be all very well, but I don't think it's essential for the salvation of the soul." How we have degenerated this past forty years.

Old George P—— was a gardener through and through and many are the pointers he gave to young gardeners who have since become known to the horticultural world. He could bud and graft, put the finest finish on a grade, lay a line with the nicest curve, and do anything else in the garden where skill of hand was essential. He could also brew some excellent ale and was never backward when it was passed round. No one is more remembered from boyhood days than this same handy man. He came of a long lived family and a few years before we emigrated we saw four generations of this race walking up the road together. He had a brother who was coachman to a neighboring "Sir" and who, I believe, hastened his end by injudicious feeding. Feeling poorly, the doctor asked him what he had for breakfast: "beer and beef;" what for dinner, "beef and beer;" what for supper, "beer and beef." The doctor prescribed a change of diet, but he soon lapsed back into his steady mode of living and passed away with a very red face.

There was one character on this estate who was perfectly unique. It was James Quinn. I mention his name in full for it is recorded in the annals of crime of London. Poor Quinn, as his

name will denote, was an Irishman; one of the very few specimens of that quick-witted race that was to be found in that neighborhood. He was not over four feet six inches in height, but had the strength of a Sandow and the agility of a monkey. He must have been an expert dancer when young, for when an old man he could delight us with his jigs, but he wanted a little coaxing to start him; a glass or two, a lively scrape on the fiddle or an attempt by some awkward fellow would bring him to his feet. Like nearly all native Irishmen he was great on the broad jump, far excelling the native clod hoppers whose bread and cheese stiffened joints were as wood beside him. The fact that Irishmen are great jumpers can be explained most reasonably by an evolutionary theory. Many parts of the island are boggy and a spring from one object of footing to another has through countless generations developed the muscles, and facility to make prodigious springs and jumps. This curiosity, for such he was, did not converse in the rich brogue of Limerick or Tipperary or "Cark" or "Westmath." He came from the far western rugged county of Galway and before he set foot on the soil of England, spoke or understood not a word of English and hereby hangs a tale.

Seventy years ago, counterfeiting was a crime punished by death. There also existed at that time in London, and may be throughout the land, a species of reward for the detection of crime. It was given the infamous name of "blood money." Poor Quinn and two or three companions, who spoke only the ancient Irish or Gaelic, were coaxed into a room by some scoundrels, counterfeit money placed before them with the moulds, etc., then the door was locked on them, the police informed of the discovery, and directed to the locality. They were of course caught in the act, arrested, tried with no one to defend them, and sentenced to be hanged. While waiting execution Quinn mentioned the name of Sir ———, owner of the estate from which he had come in Galway. The guards understood that name and the baronet who owned the name was communicated with, and inquiry revealed the work of these scoundrels, who doubtless, by that time, had drawn their pay. Quinn and his unfortunate companions were released and from this very case and the following inquiry and exposure that followed, dates the abolition of the infamous system of blood money.

Quinn was ever after a ward of the man who saved his life, and as he was also the owner of the garden we have been wandering in, he found his way there. I could fill a book with stories of him, but must close. He was not tasty in his apparel. His patron and countryman, a relative of the proprietor, Captain L——, was 6 feet 2 inches, some 18 inches taller than Quinn, but that did not prevent the latter from accepting the captain's cast off clothing. Many a time I have seen Quinn washing pots on a winter's day (the pace was about three pots per hour), wearing the captain's trousers, no need of a vest, the top rim of the trousers touched Quinn's chin, but in spite of that he declared in his quaint broken English: "Bother my dear I just take the captain's pants," meaning they were a good fit. Quinn frequently asserted "his Mary Ann paid two guineas to be a tailoress." She had evidently in her long years of married life and domestic trouble forgotten the useful art, for Quinn often appeared with a large patch of red or blue flannel in a back ground of black pants. Mary Ann attended her church very regularly and swallowed all the gin she could lay her hands on. Poor Quinn had a natural instinct for appropriating any loose article that was not chained, particularly firewood and vegetables; in that he was like the noble red man or our faithful dog. With these slight exceptions they were a very harmless family.

Pineapples were grown in this garden to perfection and occupied several long, well-heated structures that we called pine pits. They were not fruited in pots of 20-inch diameter, as some gardeners believe they must be, and another innovation was practiced that I believe was not in general usage. After the suckers were rooted in small pots they were planted in beds and made twice the growth they would if kept in pots, then lifted and fruited in 10 and 12-inch pots. I have helped my father pack for London almost tons of grand pineapples, each wrapped in tissue paper and tightly packed in boxes with hay, but those were the days when at certain seasons they were worth two dollars per pound and even more. The Queen and Black Jamaica were mostly grown. Smooth Cayenne, perhaps the best of all, was not so well known then. Black Prince and Providence were cut as heavy as eight and nine pounds, but the flavor is poor, a Queen of four pounds and a Black Jamaica of three pounds is a good, fair fruit. In those days the pineapples that were grown in the Azores and Jamaica were not much larger than an Easter Beurre pear and not tolerated by anybody. Some years ago good gardeners were sent to the West Indies and the Azores, and their cultivation made a business. Wi h that and rapid transit the fruit now sent to London and our ports is of such excellence that the cultivation of pineapples, once a lucrative industry, is about commercially abandoned. At the same time a slice of liberal size from a hot-house Black Jamaica would induce me to lay down my pen, and wishing I had it now, I wish you for the present good night.

BIBBER.

(To be continued.)

Miscellaneous Seasonable Hints.

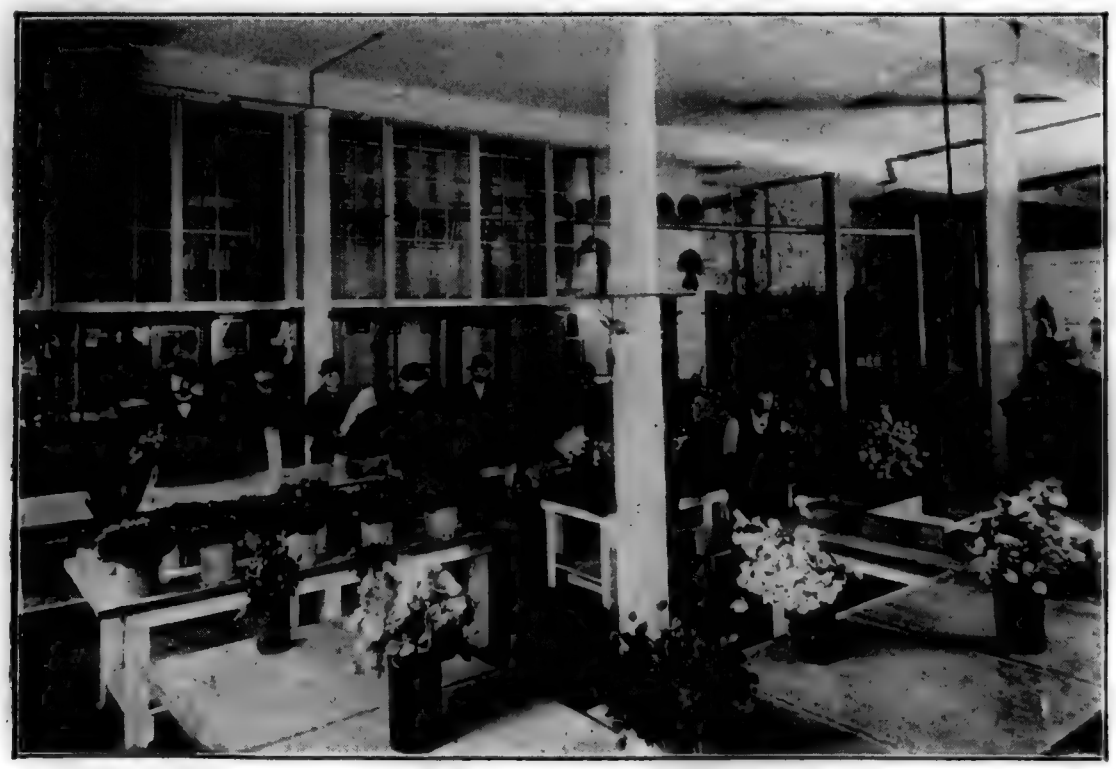
Azaleas.

I receive at this time several inquiries about the earliness of Easter stock. Although it is a threadbare subject, still it is of great moment to many a one at this time. When these lines are before the readers it will be just five weeks to Easter Saturday, the day we want everything at its best. Without moving, manuring, shading, forcing and retarding it is impossible to get all your crops in about right.

You can see by this time what azaleas will be sufficiently forward and which of them need a little more heat. The variety so largely grown, Mme. Van der Cruyssen, is opening rapidly, and so is that splendid pink, Memoire de Louis van Houtte. The ventilators must be kept open day and night when possible. What will help retard them very much is shading, for now is the season when bright days will come, welcomed by all, but disastrous to a crop that you wish to retard. You can tack up cheese cloth or some such material beneath the glass, that will be shade, but will not lower the temperature of the house, and I would prefer a coat of whitewash on the outside that will lower the temperature as well as shade. You need not fear that it will remain on to hurt your plants that come later. Frost at night and heavy April showers will remove much of it. It is much easier to slightly force the backward azaleas than retard the earlier, but both can be done.

Cytisus—Lilac.

The same treatment can be given to cytisus, which with us is too early. If it is just beginning to show color it is in plenty of time. Three weeks is ample time to give to lilac. If given



Cut Flower Department.



Seed and Supply Department.

GLIMPSES OF THE WHOLESALE STORE OF E. H. HUNT, CHICAGO.

three weeks in a temperature of 60 degrees at night, they will be in ful flower. With us they are particularly good this year.

Hybrid Perpetual Roses.

If hybrid perpetual roses are distinctly showing their buds you have them nicely in hand, and a night temperature of 55 degrees will bring them about right. A light fumigating is very necessary. It will certainly not hurt them before they show color, and if neglected you will surely be attacked by aphis, for the young tender growth of H. P. roses is as toothsome to the green fly as the late banquet at Chicago was to the rural members.

Bulbous Stock.

Very briefly I will mention that it is much too early to bring in any bulbous stuff for Easter, but occasionally very misleading statements creep into print, and you might be the victim of misplaced confidence. The weather has so much to do with bringing this bulbous stuff into flower. If it were planted in October and November, and ordinary conditions prevailed, it will by early April be so near its natural flowering time that but a few days inside is sufficient. So I will briefly say for Dutch hyacinths allow 14 to 18 days; single tulips and Von Sion narcissus, 18 to 20 days, and double tulips, 22 to 24 days.

Lilies.

The Bermuda and Harrisii lilies will be receiving many an anxious glance these days. I have repeated several times and with all the earnestness at my command, "Be early enough and have a few days to spare." To be definite, I would say that if the buds, the lowest ones which are the earliest, are two inches long five weeks before Easter you are safe and they will not need a forcing temperature, but will come on in time in a night temperature of 55 to 60 degrees, which, for a flowering lily, is almost below the natural heat they would receive out of doors during their flowering time. The longiflorum are late with us. More's the pity, for they are extra fine in quality. They have never been cooler than 60 degrees at night since they were one inch high, but yet they are only just showing bud at this time, and will want at least 70 degrees at night and 85 degrees daytime to get them in flower. When once the buds are above the leaves you can smoke regularly and mildly. The puncture of the very small bud by green fly often ruins it and accounts for that whorl, twist and burst, which are often seen. This trouble has nothing to do with the disease. If you are foolish enough to retain any of them you will find that as fast as the plant develops the new parts are attacked, and the buds, being the last part of the plant formed, show the disease last, but it will get there sure enough and effectually close up the petals. Throw them away before they have a chance to make you ill-tempered or produce melancholia. Spiraea should not be too early or it loses its beauty. If showing its flower spikes now, it will be in plenty of time.

Temperature.

The month we are about to enter again is a busy and anxious one, and trying to the temperament, watchfulness and ability of the one in charge. We often have great extremes of temperature in March and in old fashioned houses, heated with old-fashioned 4-inch pipes, suffer sadly with overheated houses on bright days. The temperature may have gone down to 15 degrees below during the night, necessitating hard firing till daylight, and so when our earth dips to east and we tiny creatures are blessed with one more opportunity to gaze upon that gigantic mass the origin of all heat and life, which some of our flippant friends call "old Sol," he is beaming down upon us with such energy that our glass-covered structures are away up. Much of this cannot be prevented, but much can be helped. The earliest hand around, and that should not be later than 6 a. m., can easily see if we are going to have a bright day, and the furnace door can be opened, fires made dead, and just as soon as possible a small crack of air put on. It's wonderful what a lot of good a little ventilation will do if applied early, and so

much better for the plants than waiting till 10 o'clock, and when the heat is suffocating putting on a foot or more at once. Those who are blessed with steam, or what is next best, hot water, with small pipes, are relieved of this hot 4-inch pipe when least needed.

Shading.

The construction and aspect of the house will have much to do with the need of shade. In any house where the sun can strike it, palms will need a little shade. In a house running north and south there is scarcely anything that needs shading at this time, except the propagating bed, but violets with a south exposure must be shaded; that I have seen strong evidence of the past two weeks, the buds appearing as good as ever, large and dark, but before being well developed sadly bleached out. So on went the shade. Speaking of shade, until we get some clever and ingenious man to invent some portable shade to apply when we need it and dispense with when we do not, we have no choice but to use that crude and unsatisfactory method of whitewash. For a shade to last all summer, I do not approve of what is generally known as whitewash, which is quicklime slaked with water, and salt added to make it stick. What is much better, both for light and appearance, is naphtha and white lead, adding the lead until you get it the right thickness, and remember it will dry thicker than it appears when first applied. In cases when you want it on in a hurry, it can be syringed on, but that is not a satisfactory way and by applying with a good brush you will save more in material than will pay the extra labor.

The Propagating Bench.

I cannot do more than remind you not to let an inch of your propagating bench be idle. The whole of this month you should propagate sufficiently for your spring sales. In the sand I notice this morning we have sweet alyssum (of course the double), senecio, lophospermum, lemon verbena, sedum for baskets, lobelia, coleus, achyranthes, acalyphas, salvias, sweet stevia for next winter, and a large portion of the bed is devoted to chrysanthemums.

The Hot Bed.

In the way of a reminder there are many florists who depend upon hot beds after April first, not only to relieve their overcrowded benches, but depend upon them to grow several bedding plants better than they could in the greenhouse, and this is certainly a fact. So get your material as soon as you can. It should not be hauled from the stable and made into a hot bed. It needs turning over at least once, and remember that if you can get your friend, the brewer, to give you a few loads of refuse hops it is a most valuable addition to the stable manure, and when thoroughly decomposed is an excellent substitute for real leaf mould. WM. SCOTT.

PRUNING HYDRANGEAS.

I have quite a lot of hydrangeas in large tubs and pots for veranda decoration, Otaksa, Thos. Hogg, etc. I keep them in a cold cellar and prune them in February, cutting back each branch to a good large plump bud, and rub off all remaining buds on the branch, except two or three of the largest. Is this proper? Would I get more and better flowers if I did not prune at this time, and saved the terminal bud at the end of branch? These branches are of last year's growth, have dropped their leaves and are well ripened. Would the terminal buds be more likely to produce flowers than the largest buds along the branch?

F. P. L.

"F. P. L." has undoubtedly cut off many of the buds that would have given him his finest flowers, the terminal buds usually producing the finest blooms. The trouble then arises if you don't prune at all you soon have a straggling, unwieldy plant; so you must make a compromise. Shorten back the longest growth, only leaving the plant in outline as compact as possible, and saving as many terminal buds as you can. Then cut out the weak growths entirely, but rub off no buds from side of shoots, as many of those, as well as the very bottom growths, will give flowers. W. S.

PRIMULAS.

"Some of my primulas decay at the surface of the soil. Can you tell me why? Others of the same varieties close by grow finely."

We suspect that those decaying have been in a drip and got overwatered. We saw the result of that by an accident early this winter. A primrose does not like dampness at any time, and although it should never be allowed to get killing dry it likes an airy, dry house without being too warm. W. S.

BOTTOM VENTILATORS.

"Are there ventilators which can be set in greenhouse glass near the eaves for extra ventilation? What do they cost, and where are they to be purchased, and how are they set in place?"

I have a faint recollection of seeing such ventilation used in a very ancient greenhouse. In a new structure, if desirable, they could be provided for without any great additional cost, and could be furnished by any horticultural builder or those supplying greenhouse material. I scarcely think it worth while to go into detail of how to arrange them, because I see none used in modern greenhouse structures, nor do I think they are in any way desirable. Side ventilation, which would have the same effect, is very desirable for many plants, namely, violets, carnations, a great number of bedding plants, cool orchids and plants summered over under glass. If the sides of your house have two feet of upright glass it can be in the shape of sashes and hinged at top under plate. If the walls are wood, a continuous section of it, say one foot broad, could be hinged; when closed it would be simply part of the wall; when open it would be the best of summer ventilation. W. S.

SWEET PEAS.

From "J. E. B." comes the following: "My sweet peas died early in September—those in new section of the ground as well as those in the old places. My neighbor, who had the same kind of seed, cut flowers until November, as I have always done. The vines appeared to dry up, but there was more moisture than usual."

This drying up may have been caused by more conditions than one. Sweet peas, if wanted to last throughout the summer, should have a deep soil, not too rich in manure, but deeply dug or trenched, that their roots may not be dried out in long spells of dry weather. If sown in a trench or a slight depression, you can occasionally give them a good soaking, which will help them greatly. Last August would certainly dry them up if not watered. Another cause of their going off would be allowing them to go to seed. If the flowers get very cheap and you thought they did not pay to pick, they would bear a heavy crop of seed, and that is more exhausting than six months of flowering. They are simply fulfilling the most important function of all annuals, and are then ready to die and leave their seed for reproduction. W. S.

RATS AND MICE.

I note an inquiry for a poison for rats and mice. The following cleaned our place of the pests in quick order:

Get some of the old-fashioned black sulphur matches, now generally called eight-day matches. Cut off the black ends and put six or seven of these black tips in some bread that has been moistened in milk, and roll the bread into marbles about the size of common playing marbles. Have six or seven tips in each marble. Rats seem crazy for this poison, and after eating one marble they will not live to see another day. SUBSCRIBER.

We note the inquiry as to how to get rid of rats and mice. We were troubled with them last winter and they destroyed a great many flowers. We tried all sorts of poisons and traps, and the best results were from equal proportions of corn meal and plaster of paris. We filled small plant saucers with this mixture and placed them every fifteen

or twenty feet in the carnation house. We were soon rid of the rats and mice. When watering, be careful not to wet the mixture, as it must be eaten dry to secure results.

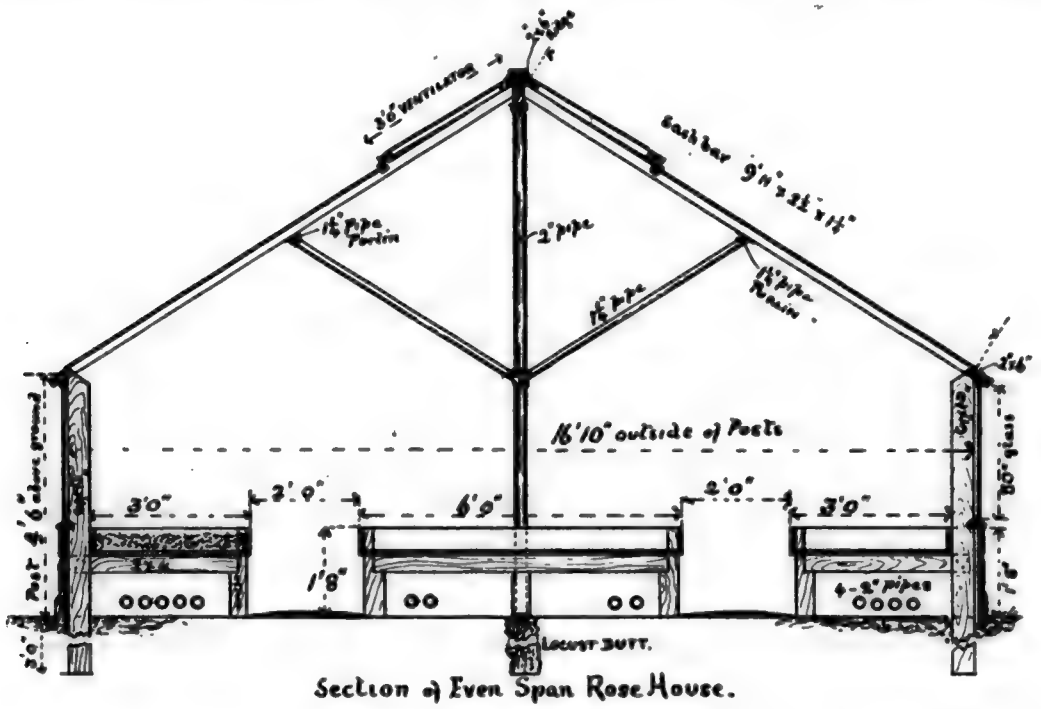
GREENE & UNDERHILL.
Watertown, N. Y.

GREENHOUSE CONSTRUCTION.

Please tell me the best way to build a rose house on a lot 60x200 feet, with a drop of 8 feet in the 200 feet, sloping toward the south. Give length of sash bars, height of walls, width of house and best bench arrangements.

SUBSCRIBER.

I would advise an even span house, as shown in sketch below. The width



Section of Even Span Rose House.

being 16 feet 10 inches outside of the posts, and the length to suit his requirements, say 150 or 200 feet. The potting shed and boiler cellar will necessarily be at the south end, that being the lowest, but if it be placed at the west side at the south end the objectionable shade thrown by the shed will be slight, as it will not develop until the afternoon. For the heating I would use thirteen lines of 2-inch wrought iron pipes, arranged as shown, and if the house be 200 feet long, a boiler having a grate surface of seven square feet, or if the house be only 150 feet lonf, a grate surface of five feet.

HENRY W. GIBBONS.
New York.

SIMPLE FLORAL ARRANGEMENTS.

Suggestions on the Use of Cards.

"H. H. C." asks: "What would have been considered the correct manner of sending, or attaching to a floral design the names of the givers, who were the sister members of a small reading club to which the deceased had belonged, and for whose funeral the design was intended?"

If I had been born near Killarney, I would perhaps say that the correct way to attach the names to the design would be to send them unattached. By this I mean to advise against fastening cards to flowers unless requested by the sender, or in the case of designs coming from military or fire companies, or from lodges, when it seems to be expected that a card shall appear on their contribution.

In this case, the names should have been neatly and plainly written with pen and ink on a plain white blank card of sufficient size to contain them when placed under each other, the card then placed in a plain white unmarked envelope just large enough to take it in, which should be inclosed in the package with the flowers, so as to be readily seen when opened. If the club had a name, and the surv.ving members all joined in sending the tribute, the name of the club on the card would have been sufficient, and best.

In our own practice, we furnish and mark most of the cards we use, and keep a stock of plain white visiting cards in two or three sizes, with envelopes to match, all of the best quality we can procure. The card is placed directly on the flowers, avoiding moisture, and not outside of the folded waxed paper lining of the box, where it might be displaced and overlooked in opening.

When it is necessary to attach a card to the work, we make a hole in the upper left-hand corner of the card with a punch, through which about half a yard of narrow, plain-edged ribbon ("baby ribbon") is drawn, which may be tied to the handle of a basket, or to a flower stem at the base of a cluster, first making a double knot in the ribbon, about an inch from the card. If to go on a wreath or similar design, the ribbon is tied in a double bow knot, leaving sufficient play for the card, a piece of stemming wire is run through the loop and fastened to a toothpick which is inserted in the piece as a flower would be, but near the edge where it will be seen.

If your patron leaves a card to be sent with flowers, you may send it even if soiled or unsuitable, without being considered as lacking in taste yourself; but do not use ordinary paper instead of a card, do not fasten it with a piece of wire or white cotton cord, and do not use your business card, for lack of a blank one, nor inclose it with a proper card, thinking this enterprise; and do not send the card in your business envelope, or you may be taken for a "crape-puller," a reputation which I trust will never be given deservedly to any subscriber to The Review.

W. T. BELL.

COELOGYNE CRISTATA.

C. Cristata, when well grown, is, without exception, the most handsome species in this genus, and just now should be conspicuously in flower, and if kept in a cool, dry atmosphere the flowers will retain their beauty for a considerable time. The plant will not be injured should it not receive any water while the flowers last, but previous to the opening of the flowers and after they are cut, just sufficient moisture to keep the pseudo-bulbs from shriveling will be all that is necessary.

After the flowers are cut is a good time to attend to any top dressing or repotting that may be necessary. A compost of peat fiber and sphagnum moss suits this species. It may be grown in a hanging basket, but shallow pans with good drainage are preferable. If grown in the latter way the plants should be raised upon a moderate sized cone above the rim of the pan, and firmly fixed down with barbed wooden pegs.

Water sparingly until the plant has a good hold of the compost, when it enjoys a copious supply of water and frequent applications of liqu'd manure, which should be continued until the new bulbs are finished, when water should be withheld to the point advised above. When growing this species does not require a high temperature; 60 degrees will suit it, and 10 degrees lower when resting.

J. ROBERTSON.

CANNAS.

"How should cannas be divided?" The old clumps of roots, if properly cared for during the winter, can be cut up into several heads or eyes, which are easily detected. One eye, with root a few inches long, is sufficient to make a good plant. Divide at once. You can pot each in a 4-inch pot, or place a number of them in a flat close together in 3 or 4 inches of sand or light soil. Place the flat on your hot water pipes, and when they have made a leaf growth of 6 inches, place in 4 or 5-inch pots and give them a light bench.

W. S.

CHICAGO.

Club Meeting.

At the last meeting of the Florist Club the carnation convention committee made the very gratifying report that after paying all bills they would have a surplus, and that the contributors to the fund would receive back about 25 per cent of their contributions. The committee was accorded a warm vote of thanks for the able manner in which its work had been conducted. Two new members were added to the roll.

Mr. J. T. Anthony read a paper on marketing cut flowers, in which he emphasized the importance of grading all flowers sent to market, and pointing out wherein this was to the direct advantage of the grower. He indorsed the views expressed in Mr. Kennicott's essay as regards bunching carnations.

In the discussion that followed Mr. Stollery held that it would not be long before carnation flowers would not be bunched for market, but would be shipped in layers, as in the case of fine roses.

The next meeting of the club, March 10, will be "Rose and Violet Night." The essayists have not yet been selected, but these two important subjects will undoubtedly be thoroughly discussed.

The Market.

There is a much better supply in the market, and though the demand is keeping up very well in view of the beginning of Lent, prices have dropped. In roses the teas range from $4 to $7, and only a few of the very extra grade bring as high as $8. In carnations, ordinary flowers range from $1.25 to $2, while extra grade sell up to as high as $6. Some fine Daybreaks bring $4, while the highest grade of Mrs. Bradt go as high as $8. But the great bulk of the stock goes at the lower figures. Whites of good quality rarely go below $2, and white seems none too plenty. In bulbous stock there is an immense supply, and of some sorts there is a decided glut, especially in tulips of ordinary grade.

Bassett & Washburn are cutting from 200 to 600 Harrisii per day, and find sale for all. They report good demand for Harrisii all through this season, the price having never dropped below $8 per 100. They are already receiving inquiries for Easter. They are also cutting large quantities of valley of extra quality. Price is now $3 a hundred.

Kennicott Bros. Co. report a big increase in supply and a surplus in many lines, especially in bulbous stock.

E. H. Hunt notes a swelling of the supply beyond that of the demand. His weekly report will be found elsewhere in this issue.

W. E. Lynch is receiving more stock, but demand is fair at the reduced prices.

Winter & Glover report about the same, and with confidence that trade during the Lenten season will this year show the usual annual increase.

Vaughan, McKellar & Winterson find the supply decidedly ample, but report sales good with the lower prices to move the stock.

E. C. Amling, Rogers Park Floral Co. and A. L. Randall make about the same report. The general feeling is that business during Lent will be better than the same season last year, the shipping orders holding up very well so far.

The slump in prices the latter part of last week well illustrates the sudden variations to which the cut flower market is subject, and fully warrants the legend, "subject to change without notice," that appears on the price-lists of the wholesalers.

Death of A. H. Saxon.

We much regret to have to record the death of Alfred H. Saxon at his home in Downer's Grove, Feb. 25, of consumption. Mr. Saxon has been in poor health for several years, and made a heroic attempt to carry on his business in the face of many difficulties. He was laid at rest last Sunday, the funeral being in charge of the Order of Woodmen, of which he was a member. He leaves a widow and several small children. It is probable that Mrs. Saxon will not attempt to continue the business, and we are requested by a friend to ask florists looking for a business opening to consider this establishment. The greenhouses and contents are in excellent order.

Various Items.

Bassett & Washburn are growing this year 40,000 bulbs of Lilium Harrisii, from which they will cut over 100,000 flowers.

Henry Fritz, formerly gardener for H. N. Higinbotham, at Joliet, was killed in a cable car accident in this city on Feb. 23, and was buried by the Knights of Pythias, of which he was a member.

Henry and George Klehm have been visiting St. Louis for the last few weeks.

Last Saturday there was on view at Kennicott Bros. Co.'s establishment a vase of carnations from Mr. F. Dorner, Lafayette, Ind., and among them were several blooms, half red and half striped on white, labeled "Kennicott's Mongrel," evidently in allusion to that gentlemen's use of the term "mongrel" in his essay at the carnation convention. It was a large, handsome flower, evidently a sport from Mrs. Bradt, and Mr. Kennicott said that he would undertake to find sale for these parti-colored blooms quicker than for the striped form. He said he would "father the mongrel." The vase also included five blooms of White Cloud and Gold Nugget, and it was noticeable that the last named was in as good form the following Monday afternoon as when first received, showit to be a fine keeper.

Mr. G. H. Peiser, of Kennicott's, has returned from his southern trip.

Echoes of the banquet to the Carnation Society are still heard. "It was a great event," is the general verdict.

Mr. J. A. Evans, of Challenge Ventilator, Ind., remained after the convention and called on his friends in the trade.

Mr. C. W. Ward, of Queens, N. Y., also made quite a stay. He visited Hinsdale, and was much impressed with the immense establishment of Bassett & Washburn.

A. Lange, successor to Harms & Lange, has removed to 163 State street, where he has an excellent location.

It is rumored that plans are being made for a new greenhouse plant of tremendous proportions, of which Charles A. Neuner, formerly of Louisville, Ky., will be manager. According to the report, the range will contain sixty large houses. A local capitalist is said to be back of the enterprise.

At the next meeting of the Florist Club Mr. Fred Hills will read a paper on "How to Grow Tea Roses for Profit."

BUFFALO.

Trade Fine.

About the best way to get a correct version of the state of trade is to inquire of our wholesale men, "How is business?" They are in touch with the general pulse of the retail business better than any individual, and Mr. Pickleman says that the demand is good. Mr. Kasting replies to our query that trade is fine, with a good demand for all good flowers, and shipping trade never better. Lent arrives without any comment. Large parties are certainly non-existent, but the general trade is little affected by this pious period.

A Bargain Day.

There was a little tilt down the street a few days ago between two well known and enterprising florists. It was the occasion of both making a "bargain day on daffies." They kept reducing the price, but kept up the quality of flowers, which with both was most excellent, till they both fell exhausted into the arms of their stenographers, and the public had received "daffies" at about the cost of the bulbs. There never was at this season a finer lot of flowers and plants offered for sale; everything in abundance and of finest quality. When you have a lot of stock and don't have to skirmish round to fill orders, you are apt to think business is not what it should be. The fact is, business is quite fair, with supply in abundance.

The building of the extensive range of houses at the Botanic Gardens is still in abeyance, the contract not yet being finally let. This is a pity, as we had hoped to see this grand range completed the coming summer. Thank goodness, the sinews of building are all ready when the contract is let.

Mr. McMillan Leaves for New Jersey.

Mr. William McMillan, our widely known and much respected late park

superintendent, has settled negotiations with the Essex County, New Jersey, park commissioners, to superintend the construction of their elaborate and extensively projected park. The area of the park, without the approaches, covers 2,600 acres, and surrounds the "three Oranges." Mr. McMillan begins his duties at once. His call was very sudden, but he did not get away fast enough to escape a farewell reception by his many friends in the city. A very handsome gold watch was landed into his vest pocket. But that, I believe, would not afford him so much pleasure as the many warm expressions of regret at his departure and wishes for his long life, happiness and prosperity. Essex County is to be congratulated on having secured the able and honest ability of Mr. McMillan. W. S.

NEW YORK.

Dinner of Florists' Club.

Last Saturday evening will long be remembered by all who attended the eleventh annual dinner of the New York Florists' Club, as one of the good things oratorically, gastronomically and florally. In a word, it was a success, observed from any point, and will act as a milestone in the era of the club's history to be long remembered, and honor is due to all and congratulations should be mutual.

Mr. Patrick O'Mara, who acted as toastmaster, proved that the reports from the provinces had not been overexaggerated, and that as a "composite" of all that goes to make a good toastmaster, he is in fact "the beau ideal."

The tables were weighted down with the choicest of flowers, thanks to the contributors and the committee on the whole. Mr. Lawrence Hafner's affability proved an important factor in securing contributions from the following gentlemen:

President Plumb contributed handsome vases of Bridesmaid roses, fancy carnations and lilies, and Siebrecht & Son sent some handsome leaves of Cycas circinalis, also palms, Dendrobium Wardianum; John N. May, carnation, Lily Dean, and his beautiful new rose, Miss Clara Watson; W. A. Manda, a well furnished pan of Adiantum Farleyense; John Young, center pieces of Beauties and mignonette, very rich; Ernst Asmus, purple and white lilac and lily of the valley; Julius Roehrs, lily of the valley and cut orchid flowers; Rudolph Asmus, pretty vases of daffodil "Golden Spur;" J. M. Keller, flowers of Dendrobium Phalaenopsis Schroderiana and Cattleya Trianae; Frank MacMahon, grand vase of Bridesmaid roses; Frank M. Niquet, his carnation, Maud Adams; John H. Taylor, the beautiful new rose, Dean Hole, which lights up prettily at night; Charles Pesenecker & Son, pretty vases of carnation William Scott.

All the allied trade was well represented and the following visitors were among the seventy gentlemen present: Prof. Smith, New Brunswick, N. J.; Dr. L. N. Britton, of the botanic gardens, New York city; W. N. Rudd, editor of the American Florist, Chicago; J. Donahue, Lenox, Mass.; W. G. Gomersall, Poughkeepsie, and A. Herrington, Madison.

A word of praise to the indefatigable committee on arrangement—Chairman Chas. Weathered, John H. Taylor and Ernst Asmus—whose untiring efforts were the primary cause of the unqualified success. Mr. John Young, the genial secretary, should also be coupled with the above. "He saw his duty and he done it."

President Plumb, rising to welcome all present to their eleventh annual gathering, and to introduce the master of after ceremonies, said they had arrived at the point where the feast of reason and the flow of soul was in order, but he presumed it was necessary he should say something first about club matters. Of the past we all know well—its successes and reverses; but let us look forward and consider a future for the club which shall be all success. The members and ofcers have worked earnestly to insure this in the present year. We have already elected twelve new members; we have fourteen names to be acted on at the next meeting, and ten others are knocking for admittance. We have all to put our shoulder to the wheel, and I hope we will keep it there. We shall find lots of ruts in the road, but if we all push together we are bound to succeed. Let us endeavor to keep up the earnest work of this year and we shall, if we all try earnestly, accomplish all we have to do, looking forward to the getting of a home that belongs to the club. I now have the pleasure to introduce to you one whom we all know and respect and love, whose qualifications as toastmaster are known to all, who besides is an earnest worker and friend of our beloved club—Mr. Patrick O'Mara.

Mr. O'Mara spoke as follows:

"The speech I intended to make I must ask leave to print, as there are so many letters of regret to be read. In selecting me for toastmaster, the president has got right into one of the ruts he said we wanted to get out of. The following societies and gentlemen sent letters of regret—some humorous, some pathetic, all regretful, with the exception of one signed "Aspidiotus Perniciosus," from San Jose. This entomological friend said he preferred to associate with the nurserymen and to dine off the fruits of his native habitat.

The list follows: The Baltimore Florists' Club, the Chicago Florists' Club, the Philadelphia Florists' Club, the Boston Florists' and Gardeners' Club, the Buffalo Florists' Club, the Dutchess County Horticultural Sociesty, the American Carnation Society, Richard E. Connell, Poughkeepsie, N. Y.; John Westcott, Edwin Lonsdale, W. K. Harris, D. D. L. Farson, Philadelphia; Prof. Byron D. Halsted, New Brunswick, N. J.; George Saltford, Rhinebeck, N. Y.; Franklin A. Whealan, Mount Vernon, Va.; Edward Hatch, Boston; George W. Anderson, Milton, Mass, and Charles R. Russell, Lenox, Mass.

Mr. O'Mara then informed the gentlemen present that he had a topical poem by the Brooklyn bard, J. Austin Shaw, and, striking a pose fitting the occasion, he wafted to his hearers the following:

It seemed to me long years had passed
away.
My spirit, freed from earth's encumbering clay,
Mounted on wings, beyond the azure sky,
And through the universe began to fly.

My mission 'twas "to seek and find the
lost!"
And to locate them all, at any cost.
The New York Florist Club had gone
astray,
And where they'd lit, no mortal man
could say.

I flew now north, now south, now east,
now west,
But nowhere found the star whereon
they rest;
I searched the heavenly regions, far and
near;
Not one, for all my searching, did appear!

And though it's not a proper thing to tell,
I couldn't find a trace of them in—well,
At any rate, I gave up in despair,
I found no shadow of 'em anywhere!

And as I swiftly flew back, sad, belated,
I fully thought the lot annihilated.
But, all at once, as we approached the
planet,
I said to Harry Bunyard: "Harry, can
it

Be possible they lit upon the moon?"
Said he: "Let's visit that dead planet
soon!
At least, it was dead back in '98!"
Said I: "Let's go at once—I cannot
wait!"

Astronomers have lied—the moon's not
dead!
In autumn, dost you know, it's always
red?
The secret's out! They paint it up and
down
As on old earth they used to "paint the
town."

Harry was fat, and weary from his fly,
And didn't seem to want to farther try;
But I suggested, if we found 'em there,
There would be women angels, I could
swear.

This thought so many happy memories
waked
That Harry flew so fast the heavens
quaked.
As we hustled, lightning-like, through
space,
I lost some feathers trying to keep pace.

And I was—truer word was never spoken—
Lucky to get there with my wings unbroken.
However, sirs, we got there—he and I—
And solved the greatest mystery of the
sky.

Dead? I guess not. The moon was full
that night,
And every soul upon it, too! That's right.
And palaces and flowers and buildings
tall—
The New York Florist Club, sir, owned
'em all.
In fact, I found no spirit there was
worth
Unless he'd joined the club while on the
earth.

Well! 'Twas a royal welcome, cheering
grand,
Which greeted us as we began to land;



Before Taking.

ANNUAL DINNER OF THE NEW YORK FLORISTS' CLUB.

And such a time as we put in up yonder
In that fair moon, beyond the clouds and thunder.

The story it would take too long to tell;
Some other time, perhaps, if all is well,
How Harry sought in vain for angels fair,
Because, you know, there are no women there.

What were the boys all doing, did you say?
Well, doing always something, anyway.
Our old friend Plumb was president a while,
And ruled his empire with the same old smile.

And always eloquent, with pen and tongue,
His secretary still was good John Young.
A verdant vale was changed from a Sahara,
By rampant, energetic Pat O'Mara.

All up and down the sweetly scented way
The roses bloomed for genial John N. May;
And seldom is an orchid forest grander
Than one I saw in charge of Mr. Manda.

The orange groves! You know the dear old "feller"
Who has sole charge. Who else but Papa Zeller?
Who for that wondrous stretch of palm land cares?
That jovial spirit must be Julius Roehrs.

Azaleas brilliant glow with wondrous light,
And flowering say of Keller, "He's all right!"
Carnations sweet, how gloriously profuse!
I guess you know the brothers Dailledouze.

But there time flies. I cannot name them all.
Not one is missing—Allen, Asmus, Small,
Names known to fame, Bennett and Childs and Dean—
The grandest galaxy I've ever seen!

Here's De La Mare and Siebrecht, Dressel, Don—
No whiter souls did e'er the sun shine on!
Esler and Falconer and Robert Gray
Salute them as they pass in bright array.

Hitchings and Henderson and Krick and Joosten,
How little need for men like these our boostin'.
Jansen and Kelsey—surely of these we'll sing;
Lonsdale and Lang and Koffman Smilax King.

McConnell and McGowan and McMahon,
McDonald, too—and match them if you can,
Millang and Morris, Pierson and David Mellis;
Did ever such fruit grow on an earthly trellis?

Sutton and Schultheis, Rath and Louie Smutz,
I wonder if they ever shoot the chutes?
Elliott and Sheridan, and J. H. Troy,
And Brother Stewart, the brave Boston boy!

No end of them—you see they're passing still;
Ward and Suydam, Weber and Underhill,
Weir, White and Wallace—all of them far from dead;
Young, Leahy, Taylor, Charley Weathered.

Some day I'll tell you all about the rest.
They're all well settled there, among the blest,
And strange but true! grand harmony prevails
And friendship reigns! (This is no fairy tale.)

Introducing the toast, "Our Night," Mr. O'Mara paid a deserved tribute, saying: "One of the first to put his hand to the plow, and one of the last who will take his hand from it; always ready at the call of duty, presiding officer for a time, one of the brightest stars we have; a grower, a man and a gentleman. I will call upon Mr. J. H. Taylor," who in reply said, among other things:



After Taking.

ANNUAL DINNER OF THE NEW YORK FLORISTS' CLUB.

"On this, our night, the grower, retailer and florist join, meeting only to drop all matters of barter and discussion, and to enjoy an evening when you meet men you have not seen possibly since the previous dinner—guests you hear of or have read about, gentlemen from other states. We welcome them here on our night. We have had many reunions in this room, but the magnificent display of flowers on this occasion surpasses anything we have previously had. In this we show to our guests and ourselves the advancement horticulture is making in this country. It is so rapid a man has all he can do to keep pace with it. Mr. John Thorpe, at one of our recent dinners here, stated that we would see carnations four inches in diameter, though few thought so then. Mr. Thorpe is one of our eminent horticulturists, who looks far into the future. We have carnations here to-night that measure three and one-half inches, and we have seen carnations that would measure more than that."

The "S. A. F. A. O. H." was responded to by Mr. W. A. Manda, who said he was proud to belong to that body, and was trying to do all he could for its advancement. He would have preferred that the subject had been assigned to some of the society's founders, who have been at the helm and who are working to-day with the same energy. It was owing to that society that scores of minor societies have been established, our own included, which we should bear in mind, and while working for the interests of our own, should still do all we can to further the national society.

Proposing "The Experiment Stations," Mr. O'Mara said: "What the lighthouse is to the mariner, what our policemen and firemen are to our citizens in protection against possible danger, so it may be said the experiment stations are to the florist and nurseryman. The men who delve into the mysteries of nature, for which we have not the time nor the ability—we look to them for advice and counsel when we meet foes or cannot discover the nature of the diseases attacking our plants. A gentleman who stands foremost in the ranks of his profession, an entomologist, is Prof. J. B. Smith, of New Brunswick, N. J."

Prof. Smith, replying, said that a few years ago it would have been a questionable compliment to have been asked to reply as an entomologist, as such an individual was supposed to be afflicted with a malady, not, perhaps, very dangerous, but of a simple nature and of a character that one was supposed not to pay much attention to anything such a one said. It is not many years since an action was brought to set aside the will of Lady Greenville, who was said to have been insane at the time of making it, and the greatest proof adduced was her possession of a collection of insects and her interest in entomology. Even at the present time they were supposed to be afflicted somewhere, or to have a maggot loose, and were called bugologists by some. A popular impression has got about that an entomologist is something appertaining to the individual, hence the term of praise, "There are no flies on him." In many states every package of plants has got to bear a certificate that they are free from all scale, and the certificate has to be given by an entomologist, who therefore becomes important, and gets an invitation to a good dinner. It is coming to be a serious matter, this practice of making laws to cover possible and impossible things. If there is anything wrong in



Before Taking.

ANNUAL DINNER OF THE NEW YORK FLORISTS' CLUB.

And such a time as we put in up yonder
In that fair moon, beyond the clouds and thunder.

The story it would take too long to tell;
Some other time, perhaps, if all is well.
How Harry sought in vain for angels fair,
Because, you know, there are no women there.

What were the boys all doing, did you say?
Well, doing always something, anyway.
Our old friend Plumb was president a while,
And ruled his empire with the same old smile.

And always eloquent, with pen and tongue,
His secretary still was good John Young.
A verdant vale was changed from a Sahara,
By rampant, energetic Pat O'Mara.

All up and down the sweetly scented way
The roses bloomed for genial John N. May;
And seldom is an orchid forest grander
Than one I saw in charge of Mr. Manda.

The orange groves! You know the dear old "feller"
Who has sole charge. Who else but Papa Zeller?
Who for that wondrous stretch of palm land cares?
That jovial spirit must be Julius Roehrs.

Azaleas brilliant glow with wondrous light,
And flowering say of Keller, "He's all right!"
Carnations sweet, how gloriously profuse!
I guess you know the brothers Dailledouze.

But there time flies. I cannot name them all.
Not one is missing—Allen, Asmus, Small,
Names known to fame, Bennett and Childs and Dean—
The grandest galaxy I've ever seen!

Here's De La Mare and Siebrecht, Dressel, Don—
No whiter souls did e'er the sun shine on!
Esler and Falconer and Robert Gray
Salute them as they pass in bright array.

Hitchings and Henderson and Krick and Joosten,
How little need for men like these our boostin'.
Jansen and Kelsey—surely of these we'll sing;
Lonsdale and Lang and Koffman Smilax King.

McConnell and McGowan and McMahon,
McDonald, too—and match them if you can,
Millang and Morris, Pierson and David Mellis;
Did ever such fruit grow on an earthly trellis?

Sutton and Schultheis, Rath and Louie Smutz,
I wonder if they ever shoot the chutes?
Elliott and Sheridan, and J. H. Troy,
And Brother Stewart, the brave Boston boy!

No end of them—you see they're passing still;
Ward and Suydam, Weber and Underhill,
Weir, White and Wallace—all of them far from dead;
Young, Leahy, Taylor, Charley Weathered.

Some day I'll tell you all about the rest.
They're all well settled there, among the blest,
And strange but true! grand harmony prevails
And friendship reigns! (This is no fairy tale.)

Introducing the toast, "Our Night," Mr. O'Mara paid a deserved tribute, saying: "One of the first to put his hand to the plow, and one of the last who will take his hand from it; always ready at the call of duty, presiding officer for a time, one of the brightest stars we have; a grower, a man and a gentleman. I will call upon Mr. J. H. Taylor," who in reply said, among other things:



After Taking.

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the body politic, there is a law for it. If an insect becomes troublesome, there is a law against it. Talk about the fetich again—the worship of a certificate is worse than anything in the past, and after all the certificate means absolutely nothing. The law requires a certificate that the stock is free. The entomologist, if a lunatic, is no fool. He knows he cannot make a statement of that definite kind. He says he has found no indication of these things. That certificate really says nothing, but it will carry stock into any state in the union, and it leaves loop holes for insects to crawl through. The difficulty has been depending too much on official documents. Illustrating this with a story of one of his colleagues, who, during a rigid quarantine enforced in some of the southern states, passed it with the aid of an official looking document which was not a health certificate, but just a letter from the Smithsonian Institution acknowledging the receipt of some botanical specimens and indorsed with several illegible signatures. He believed the province of experiment stations was to educate the people to the point of protecting themselves, not to rely upon law. The law cannot prove a substitute for that continual care and examination which enables a man to make a success of his calling. It does seem absurd that man, who has conquered large animals when they threatened his existence, has waged successful war, with microscopic aid, against bacteria and micro-organisms, should resort to legislation against things like scale. We want knowledge and education. Our work is along those lines, and tends to benefit all plant growers.

"Our Sister Societies—May They Live Long and Prosper," was ably responded to by Mr. W. N. Rudd, who said there are two kinds of honesty, congenital and acquired, and as he was afflicted with both, with the subject allotted him he was bound to make a comparison, which he proceeded to do in amusing details, but summarized his remarks finally in the assertion that in comparison with the New York Florists' Club other societies were "not in it."

"The Botanic Gardens of America" was coupled with the name of Dr. N. L. Britton, who pointed out our shortcomings in this branch of horticulture and briefly reviewed past attempts to establish an institution worthy of the country. In September of last year, however, this project so long cherished took substantial form by the securing of an appropriation to erect the first building, a botanical museum, and a range of greenhouses, covering about two acres. It would take years to carry out their plans, but he thought when the time came for the managers to make known their wants to the florists' clubs and sister societies, a prompt response would be made. Many things likely to be useful to them the florists threw away, and it would certainly take a great many plants to stock their houses.

"Our Club and Its Effect Upon Society" gave Mr. C. B. Weathered the chance to spread himself as he had long desired. He had been toastmaster on so many occasions, but now at last came the opportunity sought for years. He presented the subject in three aspects—the sordid, the educational or art, and the social side. He lately saw published his very ideal, which took out of his mind altogether the sordid florist in regard to copyrighting our papers. We are taken to task for it, and told the days of locking up the potting shed and propagating house are gone. We are to interest and educate the public at any cost. It may be when you have a beautiful seedling rose, carnation, or anything else, in your whole souled way you will say to others, "Help yourselves; I am not sordid." What man of his ability wishes to write to the papers whole columns, and ask for his pittance per column? And that is my ideal—to sink all meanness and elevate ourselves. The horticultural press will not in that high ideal want copy all to themselves. They will let the other papers know all about it. Now, as to the educational or art side, I remember well several years ago when the New York Florists' Club gave their first exhibition in the Lenox Lyceum. I put on my dress suit to help take the money, but nobody came in. But where the club has shown more for the society side, and which has acted more than the reform notice of the past government has been in handing out those plants to the poor little tots from the tenement houses in the slums of New York. As to the social side, can anyone believe the dinners we have given, that there could not be a semblance of love shown among members in this and other clubs? These dinners have brought us closer and nearer together.

"The Grower" was coupled with the name of Mr. J. N. May, but owing to the lateness of the hour he had taken a train.

"The Wholesalers" was replied to musically with "A Hot Time," and the company was asked to interpret it as they pleased. Mr. Brogan also made a few remarks, and concluded with calling a toast to the brave fellows who went down on the Maine.

"The Horticultural Press" was vouched for by Mr. A. Wallace, who maintained that legitimate criticism was a very essential function of it when matters calling for criticism arose. They had been accused of a lack of dignity, but the press was a part of the trade, and in the trade there was a dignity that no criticism could take away. He, however, was no speaker, and would rather sing a song. The call was unanimous, and he responded with a fine rendering in dialect.

"The Nurserymen" found the best exponent in Mr. F. W. Kelsey, and "The Retailers" in Mr. Theodore Lang.

"Seeds, the Foundation of all Wealth," was responded to by Mr. R. W. Clucas, who said they were a growing source of wealth to the United States, for whereas thirty years ago one of the largest seed houses in New York imported 90 per cent of their entire output, they did not at the present time import more than 5 per cent, and the day was coming when we would be larger exporters than importers.

"Private Gardeners" was given to Mr. A. Herrington, who remarked on the appropriateness of the toast, inasmuch as all the best florists graduated in the school of private gardens, and it appears that all the best private gardeners eventually went into the trade. He appealed for more unity and more harmony than was apparent around New York, with its separate Florists' Club and Gardeners' Societies, and would like to see all working together for mutual good on one common ground.

"The Amateur" was responded to by Mr. Fred H. P. Imbert, Woodbridge, New York.

The usual vote of thanks to the toastmaster and committee, and the singing of "Auld Lang Syne," closed an evening long to be remembered by all present.

Flash Lights.

It was indeed a "hummer."

There was "a hot time in the old town."

The speeches were as flowery as the decorations and as piquant as the dinner.

President Plumb was wreathed in smiles and the "bridesmaids" looked beautiful.

Everything Toastmaster O'Mara said was "Pat"—but he forgot to deliver his address.

Secretary Young did not make any stenographic notes, but he had his typewriter in the next room, which accounted for his spasmodic absences.

Our Charley was right after the "horticultural hypocrites," but let the galled jade wince; our withers are untouched.

Prof. Smith's speech was the brilliant setting in the galaxy of speeches.

Auctioneer Cleary was piqued because he was not called on to make a speech. Never mind, John; you'll have lots of chances this spring.

The wholesalers should have brought a phonograph or hand organ to reply. The orchestra didn't do them justice.

We missed our Philadelphia, Boston and Buffalo friends; but the letters of regret were brim full of wit and humor; they were gems of the first water.

The members of the club are under great obligations to the arrangement committee, Weathered, Taylor and Asmus. Here's to ye. They will undoubtedly apologize for the wine being so old.

Lawrence Hafner was the square man for the square hole. He has not forgotten his old tricks.

The men with claw-hammer coats thought they were the only roses on the bush.

The married men went home early.

All hands satisfied! Auld lang syne! Lights out.

Market Growers' Association.

There were nearly fifty growers present at the regular meeting of the New York Market Growers' Association, held at Leach's restaurant, Tuesday evening, the most successful in the association's history. The president, F. Lehnig, begged to be excused on account of his recent illness and John Birnie was elected president pro tem. After the minutes had been read the following new members were elected: Chas. Zerambo, Aug. Menne, J. Rierckert, of New Durham, N. J.; J. T. Shupp, G. Brown, of West Hoboken, N. J.; A. Bartsch, Union Hill, N. J.; M. Garreau, Jersey City; F. H. Halliday, North Bergen, N. J.; C. Johnson, Newark, N. J.; Louis Schmutz, F. Manker, of Flatbush, L. I.

Patrick O'Mara, the chairman of the legislation committee, reported that he and Mr. Steinhoff had visited Trenton, and had succeeded in having an amendment added to the Skirm bill, exempting florists' plants, flowers, cuttings, scions and buds, which had every chance of passing and being signed by the governor; had also visited Albany, with the same result. Several more growers expressed a wish to take stands, which now makes a total of twenty-seven taken. Considerable discussion took place as to the manner of allotment, and it was agreed to decide by ballot, and to engage the stands for March 26; also to call a special meeting to make final arrangements on March 15, preparatory to opening the season.

The horticultural section of the American Institute will hold an exhibition of novelties and specialties in carnations, and Dr. L. N. Britton will deliver an illustrated lecture on leaves and flowers in the evening.

Our Special Wholesale Report.

There was a fairly active market Monday, succeeded by a period of quiet which lasted the balance of the week. There is an ample supply of everything except carnations, and for a couple of days shipments were lighter than at any time during the season. The indications are, though, that there will be quite enough to supply the usual demand if we continue to get more bright weather. The price has held firm.

Roses are sufficiently plentiful to be affected in price, which has fallen away 25 to 30 per cent. There is a miserable lot of Beauties coming into the market. The average quality is as poor as I remember seeing at any time. Retailers take but little interest in them on that account.

Harrisii are at a discount. Tulips and daffodils are selling better. Violets receive a fair amount of attention. They begin to show signs of wear.

For average prices, see market report.

Various Notes.

Recent visitors were: Mr. W. R. Smith, of the botanic gardens, Washington, on his return from Boston, where he had been to deliver a lecture on "Street Trees" before the Massachusetts Horticultural Society; Alfred Salter, Rochester, N. Y.; "Alf" is looking the picture of health and prosperity; W. N. Rudd, Chicago, Ill.

The Holland bulb men are meeting with adversity this year; two had narrow escapes on the Veendam. Now I hear three or more were on the steamship La Champagne, though luckily all are safe at this writing and on their way from Halifax, where the boat was towed.

Mr. Frank Niquet has received a letter from Miss Maud Adams, thanking him for the courtesy of naming his carnation after her and giving him permission to do so.

Mr. Michael A. Hart, the well-known wholesaler, is moving into the store recently occupied by H. A. Hoffman.

PHILADELPHIA.

Market Resume.

Business was brisk during the past week. The dancing class on Monday, the Mardi Gras dance, and several other balls on Tuesday, together with the usual pre-Lenten rush, clearing up nearly all available flowers by Ash Wednesday. The demand nearly equaled the supply during the remaining four days, except in the case of violets, which are offered on the street at almost any price. Good roses remain firm in price at about the figures quoted two weeks ago. Carnations are a trifle higher, that is, there are more blooms sold at $2 and $2.50 per 100, and even the flowers that have bursted calyces frequently bring $1.50. Tulips and daffodils have sold better than two weeks ago, but the general opinion seems to be that the popularity of bulbous stock is still on the decline. Valley is selling slowly.

What little swainsona is grown seems to sell freely, though not at high prices. It can be made profitable by cutting with the short stems the lower blooms which open first, leaving the long stems until the end blooms open. These short-stemmed flowers are very efficacious in bouquets or designs.

Should the present moderately cold weather continue, preventing over excess of production, it is quite possible that we may have another week of brisk business.

Ladies' Night at Florists' Club.

The most important event of the week was the ladies' evening at the Florists' club on Washington's birthday. The evening was a great success. The ladies came in sufficient numbers to make it clear that they appreciated the club's invitation. So well did the affair go off that I feel sure Mrs. Craig will no longer say that "men have all the good times." Everybody was there—one great man came with his attractive daughters; the son of another great man came with somebody else's daughters, also most attractive; and the way the ladies entered into the spirit of the thing and played shuffleboards and ten-pins was delightful indeed. Even the sturdiest member of the team could only smile with pleasure when some fair bowler gracefully lobbed the ball on his beloved alley. Then there was Mr. Butler, who insisted that the youth of the present day don't know how to enjoy themselves, and proceeded to teach them with a vigor that was most surprising. Altogether, ladies' night was thoroughly enjoyed by all.

Notes.

The competition in store window decoration is fast and furious. One window in pale blue ribbon with yellow daisies and another with violet ribbon and double violets, were arranged the past week. The ribbon is not accidentally mentioned first.

Robert Craig has taken his son, W. P. Craig, into partnership under the firm name of Robert Craig & Son. Meritorious new plants are to be their specialty.

Edward Reid reports a brisk demand for fine carnations.

Henry F. Michell reports an increase in the sale of seeds over this time last year.

The members of the club greatly appreciated the invitation of the New York Florists' Club to their dinner at the Arena. J. W. Y.

TORONTO.

Horticultural Society.

The Horticultural Society on Tuesday next will continue its discussion of last meeting on "Seasonable Seed Sowing," and Mr. Ross, the president, will also dilate on the cultivation and beauties of various hardy climbers. The meeting, however, takes place on the evening of the day of the provincial general elections, and as the returns will be coming in during the evening, it is an interesting speculation as to whether politics or horticulture will be the greatest attraction.

Trade Conditions.

Of course we are all clothed in sackcloth now, and have a liberal sprinkling of ashes every morning (when we shake out the furnace). It seems a great hindrance to business that we should be so constituted as to make it necessary for our good to abstain from all frivolities during this season. However, if we had no Lent, perhaps we should have no Easter, so that after all a change might not be advisable.

The cut flower trade has fallen off

this last week, though there is still something doing—just about enough to keep body and soul together on a fare of salt fish and porridge.

The seedsmen are beginning to feel that spring is drawing near, and they say that indications are good for a rushing season later on; in fact, indications are good for a big trade all round this spring. E.

ST. LOUIS.

Business Continues Good.

Business is still very good with most of our florists, considering that this is the first week of Lent. There seems to be plenty of funeral work, and white stuff had the call the past week. This special line will be about the most active part of the business from now on.

Prices.

Stock is coming in better, and prices are still away up on really first-class stock. For the past week they were as follows: Roses, all the firsts in Meteors, Brides and Bridesmaids, $8; seconds, $6 and $4; La France, Perles and Woottons, $5 and $3; carnations, fancy, Daybreaks, Jubilee, Scotts, Wocher and Eldorado, $4; all whites, $3 and $2.50; some poor ones, $2, but this was the cheapest carnation one could buy.

Bulb stuff is going slower this week. Romans, $2 and $3; good valley, $3 and $4; Dutch hyacinths, $5; daffodils, $4; tulips, $3 and $4; Harrisii, $12.50; callas, $10; freesias, $2 and $3.

Violets are coming in in great quantities now. Home grown are sold as low as 10 cents per 100; Californias, 25 and 35 cents; southern stuff unsalable just at present. Some very fine sweet peas are sent to this market by E. W. Guy, of Belleville, and sell at $2.50 per 100.

Notes.

Visitors in town last week were M. Rice, Philadelphia, and S. S. Skidelsky, representing N. McCarthy & Co., Boston. Both gentlemen report business good in their line.

W. C. Young, who was chairman of committee on special prizes for this year's chrysanthemum show, has resigned.

It is rumored that a new store is to be opened by Ellison & Tesson at an early date in the new Century building, corner Ninth and Olive streets.

The Ude Bros., of Kirkwood, are sending in some of the finest carnations and California violets that come to this market.

Thomas Carroll, who was one of our best carnation growers, is going to California in the spring. Tom is totally blind, and his physician's advice is that a year's trip in that country and away from business cares would do him a world of good. Mr. Carroll's oldest son, George, will go with him.

Telegrams from Seattle to St. Louis say that Mr. Wilson, a florist from St. Louis, died on his way to Dawson City. We do not know whether the deceased was Alexander G. or his brother, George. They left this city on the night of February 2 for the Klondike. They were brothers of James S. Wilson, who is with J. C. Vaughan, of Chicago.

Of Interest to Bowlers.

The bowling club ended the February series Monday night with a good attendance. Mr. S. S. Skidelsky was our visitor and was asked to join in a game. E. Schray was our high man in the three games, with 592; high single score, 222. Kunz, second, with 567; high single score, 216; Beneke, third, with 545; high single score, 199. The series ended as follows: J. J. Beneke wins the medal with 2,299 in twelve games, also the high single score medal with 246; E. Schray, second, with 2,126; C. Kuehn, third, with 2,105. The March series begins next Monday night.

J. J. B.

BOSTON.

Mass. Hort. Society.

A general meeting of the Massachusetts Horticultural Society was called today, to take into consideration the desirability of removing the society's business into larger and more commodious quarters, as the premises now occupied are poorly adapted to the largely increasing business of the society; then again, the society is the owner of one of the largest and most complete botanical libraries in the world, and the present building is not a proper place for such a valuable collection of books, as it is considered nothing more nor less than a dangerous fire trap. A very animated discussion ensued, and the general objection was that the site proposed was too far away from the center of the city, whereas the present building is centrally located and within a few minutes of all the railroad depots. A suggestion was made to pull the old building down, as it was beginning to show considerable signs of decay, and build a new construction eight or nine stories high. This was also laid on the table, but it is evident something must be done in the near future, as the building is giving way in several places. At the close of the meeting a vote of members present was taken. The number in favor of removing was 65; contrary, 105, showing a majority of 40 in favor of remaining where they are.

Exhibition.

The society's weekly exhibition was as follows: W. W. Lunt, Hingham, showed a very fine piece of Cypripedium Lathamianum "by." with nine flowers, for which he was awarded a first class certificate of merit.

James Comley, superintendent for the Hayes estate, Lexington, exhibited a new hybrid plum (Prunus pseudo cerasus var.), with very large double flowers, the individual flowers measuring 2½ inches in diameter. This was awarded a first class certificate. Mr. Comley also exhibited about 100 vases of camellias, Cattleya Trianae, Coelogyne cristata and Cypripedium villosum, for which he was awarded a gratuity. Among his collection was also noted a hybrid azalea showing a somewhat semi-double form of flower of a bright magenta color. This was obtained by hybridizing Azalea indica with the hardy rhododendron, and if it proves hardy will be a great acquisition to our hardy shrubs.

Some finely grown rhubarb was also shown by Mr. Comley, for which he was awarded a gratuity.

Mr. Thatcher, gardener to John L. Gardner, Esq., Brookline, showed six pots of Primula sinensis flore pleno and six pots of violet St. Augustine, very well grown; awarded a gratuity. Mrs. E. M. Gill, West Medford, showed about 24 vases of various cut flowers, among which may be noted Oncidium flexuosum, Lycaste Skinneri, clivias, etc.; awarded a gratuity. Warren Eustis & Son, Belmont, exhibited some fine Pascal celery, for which they received a gratuity.

Lecture.

The usual Saturday's lecture was given by Mr. Wm. R. Smith, Botanic Gardens, Washington, D. C. Subject, "Trees on streets; best varieties for certain localities; how to plant them, and how to care for and protect them after planting, to have good, healthy and well grown shade, as well as fine ornamental trees." This meeting was largely attended and the audience listened with marked attention to the instructions laid down by the lecturer. It is well known that this particular subject could not have been in better hands than Mr. Smith's, as his wide experience in Washington for so many years, where he has had full care of the trees on the streets and roads of the district, enabled him to notice in the most minute manner the varieties best adapted for different locations, soils, etc., also the different kinds of insect life with which they are most liable to be attacked, and the best methods of getting rid of same.

A Banquet.

A few of the leading florists and friends in the neighborhood of Boston gave a complimentary dinner to Mr. Wm. R. Smith Saturday night in the Hotel Brunswick, and a right royal evening was spent. The floral decorations were a work of art, reflecting the greatest honors upon the taste and skill displayed by the well known florist and decorator, M. H. Norton, in whose charge the whole decoration was placed. The flowers and plants were sent from some of the best and largest greenhouses in the state. There was a grand lot of orchids from Oakes

Ames, North Easton, a beautiful lot of Clematis paniculata from Mr. Fred Harris, Wellesley, a quantity of tulips, hyacinths, narcissus, etc., from Warren Ewell's greenhouse, palms and decorative plants from Welch Bros., and other plants and cut flowers from various sources. Covers were laid for about thirty people.

After the dinner had been done ample justice, Mr. M. H. Norton called the guests to order and in a few well chosen remarks introduced the Hon. C. W. Hoitt as president for the evening, and most ably was this position filled. Among the other speakers, besides the guest of honor, were Oakes Ames; J. A. Pettigrew, superintendent of Boston parks; E. M. Wood, Natick; W. W. Lunt, Hingham; J. D. W. French; Lawrence Cotter; E. L. Beard, Shady Hill nurseries; Jackson Dawson, Arnold Arboretum; W. J. Stewart, and Prof. Lewis Elson, who entertained the company with some beautiful music and singing. A most enjoyable evening was spent.

Carnation Exhibition.

On February 26 a large exhibition of carnations was held at the wholesale flower market, which was well patronized by both local growers and those from afar. The new carnation, Mrs. Thos. Lawson, shown by Mr. Peter Fisher, Ellis, Mass., was a star attraction, and with it he won three silver cups. It is certainly worthy of the prizes. Other varieties shown by Mr. Fisher were Morning Star and Klondike, both very good. The Ward cup went to F. A. Blake, of Rochdale, Mass., for a fine vase of Bon-Ton. Messrs. Tailby & Sons, Wellesley, were close competitors. E. G. Hill & Co., Richmond, Ind., made a fine display, including Jubilee, Flora Hill, Salmon Gem, Painted Lady, Arbutus, Armazindy, Psyche, James Whitcomb Riley, and America. C. W. Ward, Queens, N. Y., showed a splendid lot of blooms, including Mrs. G. M. Bradt, New York, White Cloud, Mrs. James Dean, Bon-Ton, John Young, and Gold Nugget. Among other displays were fine flowers of Argyle, Evelina, Opal, Nivea, Buttercup, Daybreak, May Whiteley, Mayor Quincy, Mrs. Frances Joost, Edith Foster, Eldorado, Conch Shell.

A vase of the new pink rose, Mrs. Robert Garrett, was shown by H. Weber & Sons, Oakland, Md., and W. L. Minor, Brockton, Mass., showed his fine new violet "Imperial," a large double, dark, very fragrant flower.

Visitors.

Mr. Clucas, of Clucas & Boddington, New York; E. G. Hill, Richmond, Ind.; C. H. Maynard, representing the American Jadoo Company, Philadelphia.

ROCHESTER, N. Y.

Supply and Demand.

Contrary to expectations, all store men have done a very fair amount of trade during the first week in Lent, and prices of flowers have not varied greatly from former quotations, as had been predicted by the retailers a week ago. Bulbous stuff is very abundant in all quarters, yet but very little is going to waste. Tulips are low priced, but the demand is good. Von Sions are grown everywhere in large quantities, and it is a surprise how readily they are disposed of. Dutch hyacinths are a little slow this week, but fortunately the supply has gradually declined since last Wednesday. Valley is extremely fine at present and none too plenty.

Violets are good and abundant, in spite of the diseased condition of the plants in our vicinity; few places are exempt. Schlegel's plants are among the best in town, producing large-sized flowers on good, long stems, in great profusion; most all of these are disposed of in their own retail trade. At Geo. J. Keller's, our largest violet grower, they are also fine; since January he has been able to pick from 6,000 to 10,000 weekly. The bulk of his plants were not housed until after his chrysanthemums were all gone, and consequently are not yet at their best, though his flowers compare most favorably with any others coming to market; the entire crop is disposed of at wholesale. He also grows excellent mignonette in one of his houses, and is one of the few who considers this flower a well-paying crop here, though the average price obtained does not exceed $3 to $4 per 100.

With the exception of a few small shipments of fancy stock, which always command extravagant prices, carnations have a downward tendency, though few good, serviceable flowers are sold below $1.50 to $2.00.

The supply of roses has increased slightly but steadily since last report. Longer and brighter days have improved quality and quantity of the daily cut with some growers in this vicinity, but many of them are still endeavoring to coax their enfeebled plants into healthier growth, and feel disappointed yet over their experience this winter. Apparently some are successful in this respect, and may have a fairly decent crop by Easter, or shortly after, but the failure of the plants to produce bloom during the dull winter months was a most serious loss, which even with a good crop now cannot be neutralized so late in the season. The decline in price of roses has been very slight and only reached the lower grades. The best quality has not changed yet, and may not go below present figures for some time to come, for the demand is not lessening, and trade prospects for the near future are quite encouraging. K.

CLEVELAND.

Market Conditions.

Business during the first week of Lent has not suffered seriously. There has been, of course, the inevitable drop in social affairs, but between transient business and funeral work, more especially the latter, florists have been kept reasonably busy, and very little stock has been wasted where it has been of good quality. As a consequence, there has been so far no appreciable change in prices, all stock holding up to rates going for the week previous.

Funeral of Ex-Mayor Blu.

The funeral of ex-Mayor Blu, for many years one of Cleveland's most prominent and popular citizens, was notable for the quantities of flowers used, as well as for the great variety employed. His many years of political and business prominence brought forth tributes to his memory from all ranks of society, and as a consequence the work was divided up to a greater extent than is often the case, among nearly all the local florists, some having a great deal of work, and in the aggregate a notable quantity of flowers was worked up.

Club Meeting.

The attendance at the last regular club meeting was rather light, but there was but little business to transact, most of the time being devoted to discussions of the state and national bills for the control of injurious insects infesting nursery stock. There was also some discussion pro and con concerning the merits of Jadoo fibre and liquid, but in this as well as the proposed legislation in the insect and disease matter, no action was taken; in the latter case because there did not appear to be anything objectionable to the florists of this state.

Mr. Carl Hagenburger, of Mentor, brought along a box of his carnation seedlings for the inspection of those present. They comprised a white of good substance, a pink somewhat of the color of Rose Queen, and one very much resembling Daybreak in color. They have all been in cultivation at least three years, look healthy and strong and free from serious diseases. The flowers were all large and of excellent appearance in every way.

Bowling.

After the regular order of business had been disposed of the meeting adjourned to allow the members to bowl. The Chicago game, which pilgrims to the carnation exhibit had imported on their return from that love feast, was the one played. It is a fine game, easily learned as to the operation of projecting the balls from one end of the alley to the other. The real science, however, comes in in the scoring, an operation which allows the display of much mental agility in the juggling of figures. The arithmetical processes involved brought out more discussion than the San Jose scale question or the merits of Jadoo. Next Monday evening, March 7, is given over to bowlers. NEMO.

CINCINNATI.

Cut Flower Trade.

The cut flower trade is more satisfactory than it has been for some

weeks. The demand is good, but not in excess of the supply. Roses are becoming more plentiful, and have taken a slight drop in price, although they are still bringing fair figures. Carnations are also selling well and are far from being a glut. Bulbous stock is not moving so freely, especially lily of the valley and daffodils, although none to speak of is going to waste. Prices on all stock except roses remain about the same as quoted last week.

A fine lot of novelty tulips, grown by George & Allen, find a ready sale at as good a figure as that obtained for the blooms of the more expensive bulbs.

The Florist Club.

The next regular meeting of the Florist Club will be held on Saturday, March 12. The exhibition on this date will be a special carnation show, and it is to be hoped that the out-of-town brethren will contribute to its success as they have done heretofore. Boxes addressed to R. Witterstaetter, Fourth and Walnut streets, will receive proper care and attention.

WANT ADVERTISEMENTS.

SITUATION WANTED.—By practical florist as foreman. First-class rose grower, also cars. mums violets and general stock. 15 years in this country; 5 years in one commercial place; 8 in another; 2 years in present position. State wages paid. Good references; married. Address, B. C. care Florists' Review.

TO RENT.—14,000 feet of glass, consisting of seven even span, north and south houses. Near Philadelphia, Pa. X care Florists' Review.

SITUATION WANTED—By practical florist and gardener, commercial or private; No. 1 rose grower, carnations and violets a specialty; good designer; age 38; best references. Address W. G., 164 E. Main Street, Alliance, O.

SITUATION WANTED—By practical all round florist and gardener fully competent to take charge. First-class references from present and former employer. Disengaged March 15. Address, W. B. A., care Florists' Review.

SITUATION WANTED—By first-class gardener and florist. P. W., care of Florists' Review.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—Florist; wages $15 per month and board. Address L. M. Cottle, 622 64th Ave, Oak Park, Ill.

FOR SALE—Large cypress tank holder; ten thousand gallons of water; good as new, as it has been indoors and well painted; only in use 5 years; price, $75.00, f. o. b., Cincinnati. J. A. Peterson, 105 East 4th St., Cincinnati, Ohio.

WANTED, SITUATION—By a florist of 20 years' experience as maker up of designs or general greenhouse work; very best of recomendations. Joe. N. Lawrence, Ottumwa, Ia.

WANTED—An all round man capable of running private greenhouse; one who understands growing carnations and roses. Must be a willing worker and strictly temperate; a permanent place. State wages and give references; a young single man preferred. Dr. S. A. Richmond, Tuscola, Douglas Co., Ill.

SITUATION WANTED—By florist-gardener; private or commercial; fifteen years' experience in all branches; first class references. Address J. M. W., Lansdale, P. O., Pa.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars or Estimates.

Lockland Lumber Co.,
LOCKLAND, O.

SITUATION WANTED—As foreman in good florist establishment. First-class rose grower, also palms, ferns, carnations, mums, violets and general stock. Or take charge of a gentleman's good private place; 20 years experience in England and America. Strictly temperate. Good wages expected. Married. Disengaged about March 1st. Good references. Address Geo. Norton, 164 Center St., Bridgeport, Conn.

SITUATION WANTED—Near Chicago, by first-class grower of cut flowers and plants, also mushrooms and cucumbers. Was in charge of last place for six years. Good references. Parties wanting a good all round man please address F. G., care of Florists' Review.

SITUATION WANTED—A young man of 19, with three years experience in florist store, desires a place in greenhouses to learn practical floriculture. Albert Fiedler, 820 Hanover Street, Baltimore, Md.

SITUATION WANTED—Gardener, single; in private place, understands care greenhouses, fruits, vegetables, lawns and everything in general; Best of references. Address W., Florists' Review, 56 Pierce Bldg., New York City.

WANTED—California and Russian Violet runners in exchange for 1000 American Beauty rooted cuttings. K. K., Florists' Review.

SITUATION WANTED—By single man, four years experience in commercial greenhouses; age 25; salary no object. Address B. T., care Florists' Review.

WANTED—Single man for general greenhouse work. Address, stating wages desired, etc., Huntsman Co., Cincinnati, O.

SITUATION WANTED—By practical florist and gardener, private or commercial, as foreman, A 1 on roses, carnations, mums, violets, etc.; 15 years' experience in this country; English; married; no one horse affair need answer this; state wages, best of references. Address B. N., care Florists' Review.

WANTED—Foreman, on commercial place, California. Must be experienced in handling men, with unquestionable knowledge of propagating and growing, both inside and out; competent to take entire charge; good habits and best of references. Address "Carnation," care of Florists' Review.

FOR SALE—Range of greenhouses, and land for rent. Address John Leluan, West Foster avenue, Station X, Chicago.

SITUATION WANTED—By a florist and gardener, private or commercial; 15 years' experience, who can grow carnations, mums, roses, etc. also vegetables under glass. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—As foreman with some refined party, by a practical grower of cut flowers, palms, orchids and general stock; good designer and decorator; only reliable parties need answer; best of references, California preferred. Address Orchids, care of Florists' Review.

SITUATION WANTED.—A practical, successful grower desires a position as foreman where fine cut flowers are desired. Describe place fully when replying. Nixon H. Gano, care Florists' Review.

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Rooted Cuttings.

	Per 100	Per 1000
Verbenas, 18 var., very strong	$0.70	$6.00
Coleus, 12 varieties	.80	7.00
Heliotrope, 4 varieties	1.00	8.00
Alyssum, double	1.00	
Swainsonas	1.50	
Petunias, double, 10 varieties	2.00	
Vinca Major	2.00	
Smilax, from flats	50c.;	2-inch pots, 75c.
Pelargoniums, 6 leading var.,	3-in. pots,	$5 per 100
Selaginella Martensii	2-in. pots,	$1 per 100

Express paid, cash with order.

E. H. SMITH, - Macomb, Ill.

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FLORISTS' FLOWER SEEDS
Sweet Peas
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WEEBER & DON, Seed Merchants and Growers,
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GREEN HOUSE FOR SALE.

EVERYTHING in first-class condition, and centrally located. Good stock of flowers of all kinds. Natural Gas and Water Works supply. Population of city 8,000.

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Address, **HENRY L. MOORE, Lebanon, Ind.**

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A good, reliable Traveling Salesman for the

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Address S. C., care
FLORISTS' REVIEW.

Cleary & Co.

Announce the opening Auction Sale for current season **Tuesday, March 8, 1898,** at 11:00 a. m. A complete assortment of hardy Roses, Rhododendrons, Azaleas, Magnolias, Hydrangeas, etc., etc., from Holland. Tuberoses, Gladioli, Caladiums. A fine lot of the Rambler Roses (crimson, yellow and white). A grand assortment of Domestic Nursery Stock. Shade,

Fruit and Ornamental Trees, etc. Sale every Tuesday and Friday. Send for Catalogue. **60 Vesey St., New York.**

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MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

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SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspon lence solicited.

1878 New PRICE LIST for SPRING and SUMMER. If you have not received it, send postal; **1898** will mail you list and beautifully illustrated Descriptive Catalogue.

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3	"	"	4 to 5	"	"	"	8.00	"	"	70.00.	
4	"	"	4 to 5	"	"	"	20.00				
6	"	"	5 to 6	"	18 to 20-in. wide and high, each 75c.						

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Fresh seeds of Kentia Belmoreana and Forsteriana by the case of 5,000. Seeds received direct from Australia. Price, $17.50—net cash F. O. B. New York. Prices for large quantities on application.

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Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

Rawson's Famous Chrysanthemums

WM. H. CHADWICK, YELLOW FELLOW, MADELINE PRATT.

Ready now by leading firms and the grower. **GROVE P. RAWSON, Elmira, N. Y.**

PLANT SHIPMENTS TO MICHIGAN.

Agricultural College Postoffice, Feb. 25, 1898.—As there seems to be some misunderstanding regarding Act 137, Michigan Laws of 1897, known as the San Jose Scale Law, in relation to the shipment of plants from without the state, the construction placed upon it by the undersigned, in whose hands the enforcement of the law has been placed by the State Board of Agriculture, is hereby given:

The intention of the law was that it should be limited to nursery stock, and except in one section it is so limited, and although the section of the law relating to the duties of transportation companies under the act does not contain the limiting phrase, we shall consider that the receiving and delivering of greenhouse plants and cut flowers is in no way affected by this law.

In the enforcement of the law we shall only hold transportation companies responsible for failing to comply with the provisions of the law that relate to the shipment of "trees, shrubs, vines and plants commonly known as nursery stock," and greenhouse plants and cut flowers will not be so considered.

I. H. BUTTERFIELD,
Secretary State Board of Agriculture.
W. W. TRINE,
State Inspector of Nurseries and Orchards.

The undersigned hereby certify to the above intention of the law, and approve of the foregoing construction.

C. J. MONROE,
Member and Vice-President, State Board of Agriculture.
CHAS. W. GARFIELD,
Member State Board of Agriculture.
ROBT. D. GRAHAM,
Member of Michigan Legislature, of Legislative Committee of the same in relation to Horticulture, and of the Legislative Committee of the State Horticultural Society; also introducer of the Nursery Law.
R. MORRILL,
President State Horticultural Society, and Chairman Legislative Committee of same.

(The above official decision of the Michigan authorities was obtained by Mr. J. G. Hancock, Grand Haven, Mich., from whom we received a copy.—Ed.)

The key to success is proper ventilation and watering. The key to proper ventilation is the Evans' Challenge Ventilating Apparatus. Works easily, does the work right, built to last, always satisfactory. No toy imitation but a machine to do its work and do it well. Much the cheapest in the end. Quaker City Machine Co., Richmond, Ind.

Vaughan, McKellar & Winterson,
WHOLESALE
FLORISTS SUPPLIES
FLORISTS SEEDS
SPRING BULBS
CUT FLOWERS.
All the leading varieties in Carnation Rooted Cuttings.
We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.
Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000 ..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000 ..... 12.50
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SEND FOR CATALOGUE.
Vaughan, McKellar & Winterson, - - 45-47-49 Wabash Ave., Chicago.

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Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.
Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.
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BOXES New Model, Practical Florists' Delivery Boxes
LIGHT AND DURABLE
Made of Wood and Lined with Oil Cloth
WRITE FOR PRICES.
G. MORIN, 125 W. 25th St., NEW YORK CITY.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
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Scarlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alhambra, Golden Crown, Midnight, Salvator, John Goode, Nigger, 15c per doz.; 75c per 100; $5 per 1000; express paid.
S. T. DANLEY, - Macomb, Ill.

Gladiolus Bulbs.
I have a very large stock of Gladiolus bulbs from 1 inch down to less than half an inch in diameter. About one-half are seedlings and the other half are from bulblets of seedlings. These will be offered at a bargain.
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Strong and stocky, 8 to 12 in., $3.00 per 100; $25.00 per 1000; 1 to 1 1-2 ft., $5 per 100; 2 to 3 ft., $10 per 100.
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GIVE US A TRIAL WE CAN PLEASE YOU.


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SEND IN YOUR ORDERS NOW.

...ROSES...

Brides
Bridesmaids
Meteors
La France

$1.50 Per Hundred.

DO NOT WRITE FOR OTHER KINDS FOR WE DO NOT GROW THEM.

We shall have abundance of nice Plants later in the season.

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	Per Hundred	Per Thousand
Triumph	$3.00	$25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store....88 Wabash Ave., Chicago, Ill.
Long Distance 'Phone Main 223.

BALTIMORE.

Trade Conditions.

The retailers have scored another busy week. Society's last big affair, the bachelors' cotillion, was given Monday evening, and the great demand for dinner decorations, bouquets and the many other floral requisites to social events is now at an end. Shrove Tuesday and Washington's birthday falling together caused trade to be exceptionally brisk. Thus far the advent of Lent has given little material check to general business, and the outlook for a continuance of these good times is very bright.

Stock.

Stuff, though more plentiful than it has been, is not quite equal to the demand. Mr. Scott, manager of the Florists' Exchange, reports a great scarcity of carnations, with violets correspondingly plentiful. This latter fact is quite evident by the price, the best only bringing 40 cents per 100. The fakirs also flood the streets with an abundant supply of fresh stock, which ordinarily they seldom handle. At the markets can be seen bulbous stuff in profusion. In fact, this week growing plants seemed to be the chief article for sale. Everybody looked busy, Miss Stoel especially so, although it is nothing new to see a crowd about her stall.

Among the list of successful competitors at the carnation convention, the writer notes with no small amount of pride and pleasure the familiar name of H. Weber & Sons. Hurrah for Maryland! and our friends at Oakland, who so nobly won new laurels for our state. C. F. F.

HUNT'S REVIEW OF THE CHICAGO MARKET.

Lent is here! So is everything else—liable to stay with us, too. The same "old, old story;" not of love or of peace and happiness, but of fierce unrest, of sweating under the collar and of search for some spot to unload surplus stock. This thing of unloading does not refer to trashy stuff, but the best. In fact, there is little trash coming in. Most stocks are good—above the average.

The market has been and is and will be long on colored stock of all kinds. Of course, there have been and will be short periods when some particular variety may not be at hand, but until late in the day most lines remain unbroken.

White roses, carnations and all that acompany them in "making up" seem to have the call, and demand so far has about kept apace with receipts.

Violets, while ruling low, have gone fairly clean at all times, and as the voice of the fakir is now heard in the land, will probably keep moving at price that really is fair, season considered.

The expected decline in price has been general and followed real values closely, and there is little doubt but that out-of-town buyers have had all the benefit realized by the local ones.

The period of depression now on is not expected to reach the proportions attained for the past several seasons—all or much will depend on the weather.

Always mention the Florists' Review when writing advertisers.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE,
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Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE
EXPRESS 466.

WRITE US FOR
ILLUSTRATED CATALOGUE.
WINTER & GLOVER
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
FULL LINE OF WIRE DESIGNS
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Don't Forget
.....that we are at the old number, 126 Dearborn Street. Write for special quotations on large orders.
126 DEARBORN STREET,
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Ordinary Selected Stock	per 100,	$1.50—
Extra	"	2.00—

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Beauties, long	per doz.,	4.00—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	4.00—
Maids	"	4.00—
Meteor	"	4.00—
Perles	"	3.00—

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Asparagus	per string,	60.—
Ferns,		
Adiantum	per 100,	1.00—
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Smilax	per doz, $1.25; per 100,	10.00—
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Parlor Brand	per case,	3.75—
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Fresh stock always on hand.

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Romans	per 100,	2.00—3.00
Paper White Narcissus	"	2.00—
Valley	"	2.00—3.00
Violets	"	.60—1.00
Tulips	"	2.00—3.00
Daffodils	"	2.00—3.00
Freesia (extra select, stiff stem, finest in market.)		2.00—
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All other seasonable stock at market rates.

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All the leading Carnations now ready.

	Per 100.
Geraniums named, our selection only, 2¼ in.	$2 00
Salvia Clara Bedman, 2¼ in.	2 00
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Mammoth Verbenas, Asters and Pansies only $1.00 per oz.

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Very Fine Pips for Easter Forcing. ....Well Rooted

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Clean Stock! **CUTTINGS**

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Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 100; 50 per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

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Am. Beauty, fancy, extra, long stem, each	40c to 60c
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Am. Beauty, culls and ordinary, per 100	2.00 to 10.00
Brides, 1st, per 100	4.00 to 6.00
Brides, 2d. per 100	2.00 to 3.00
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Bridesmaids, 2d, per 100	2.00 to 3.00
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Meteors, 2d, per 100	2.00 to 3.00
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Morgans, 2d. per 100	2.00 to 3.00
Cusins, 1st, per 100	4.00 to 6.00
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Carnations, per 100	1.00 to 2.00
Carnations, fancy, per 100	3.00 to 6.00
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Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	4.00 to 6.00
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Paper white Narcissus, per 100	1.00 to 2.00
Cattleyas, per 100	25.00 to 35.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 3.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	6.00 to 12.00
Asparagus, per 100	50.00
Purple Lilac	50c to 75c per bunch
White Lilac	1.00 per bunch
Mignonette	3.00 to 6.00
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.75 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

CARNATION GENESEE.

Mr. D. B. Long, of Buffalo, is nothing if not original, and the 12-page circular of the new white carnation Genesee, of which he has sent us a copy, fully sustains his reputation in this direction. An excellent feature is the series of views showing the appearance of Genesee on the bench at various seasons of the year. The detailed reports of the well known growers who tested Genesee last year are certainly very flattering.

ANOTHER SWINDLE.

It is high time to stop the seed swindle perpetrated by the department of agriculture. A Kansas man says he wrote to the secretary of agriculture for some tobacco seed and carefully specified that he wanted Battle Ax, Climax or Star plug, and was put off with the silly excuse that they were giving out nothing but fine cut this year.—Chicago Times-Herald.

HENDERSON, KY.—Le Roy Posey has sold his interest in the Ohio Valley Greenhouses to his partner, W. R. Conover, who will continue the business.

GALAX LEAVES AND... ....LEUCOTHOE SPRAYS
GREEN AND BRONZE
Of all wholesale florists—or write the introducer for free samples and information.
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JUST ARRIVED!
COCOS WEDDELIANA,
$7.50 per 1,000; 5,000 lots, $36.00.
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New York Office, 409 Fifth Avenue.

5,000 Smilax From flats, by mail, 50c per 100, $4 per 1,000; from 2-inch pots, $1.50 per 100, $13 per 1,000; from 3-inch pots, $3 per 100. Send for samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.

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Consignments of only the best Stock solicited.

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5,000 plants of the above for sale in good condition. 2½-in. pots at $4.00 per 100; 3½-in. pots at $8.00 per 100; 5-in. pots at $15.00 per 100.
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COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffelti and Golden Queen rooted cuttings, $6 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $4.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

Ageratum, dwarf blue, rooted cuttings, $5 per 1000. Fuchias—standard sorts nothing but the best varieties, rooted cuttings, $12 per 1000; $1.50 per 100. Double Petunias, extra fine strain from flats, $1.50 per 100; $12 per 1000. Anthemis Coronaria, Golden Marguerite, $12 per 1000; $1.50 per 100. Salvia Splendens, $1 per 100. Vincas Variegated, $1.50 per 100; $12 per 1000; 2½-in. pots of the same, $2.50 per 100; $20 per 1000; 3-in. pots, $4 per 100. Heliotrope, six varieties, $1 per 100; $9 per 1000. Alternanthera, Paronychioides Major and Aurea Nana, 60c. per 100. Helianthus Multiflora, Double Golden, 2½-in. pots, $3 per 100.

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Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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MUSA ENSETE

Strong, 3-in., ready May 1st. $1.25 per doz. $8 per 100.

FETISH BANANA

A rare novelty, just from Africa. Half dwarf. Ready May 1st. $1 per doz.; $7 per 100.

CARICA PAPAYA

The fine new bedding plant, as easily grown as a Sunflower, **thriving** in heat and drouth. Ready May 1st. Strong from 3-in., $1.50 per doz.; $10 per 100. Send for list of

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Reasoner Bros., ONECO, FLA.

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Rooted cuttings, comprising all the principal colors, mixed, $1.00 per 100. We also have a lot of transplanted cuttings that are nicely started in soil. Persons ordering cuttings can have half their order filled with these while they last. Our cuttings are mostly double varieties. Cash with order.

Money Order Office, **H. B. WEAVER & BRO.**
Lancaster, Pa. Wheatland Mills, Lanc. Co., Pa.

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LOOK AT THESE PRICES!

WE OFFER A BARGAIN IN

.....Double..... Tuberous Rooted BEGONIAS

These bulbs have never before been offered so low. We offer them in separate colors—pink, scarlet and yellow—at only **$6.00 per 100, $50.00 per 1,000.**

SINGLE TUBEROUS-ROOTED BEGONIAS, in separate colors—white, pink, scarlet and yellow, $3 per 100, $25 per 1,000.

GLOXINIA HYBRIDA ERECTA CRASSIFOLIA, finest strain, $4 per 100, $30 per $1,000.

CALADIUM ESCULENTUM, Large bulbs, 6-9 in. in circumference, $3 per 100, $25 per 1,000. Extra-sized bulbs, 9-12 in. in circumference, $6 per 100, $50 per 1,000.

CANNAS, strong dormant roots, leading varieties, $3 per 100, $25 per 1,000.

DAHLIAS, finest named varieties, **Cactus, large-flowering** or **Pompon,** $3 per 100.

TUBEROSE PEARL, $1 per 100, $7.50 per 1,000.

RICHARDIA ALBA MACULATA, $4 per 100, $30 per 1,000.

Send for our large Descriptive Catalogue and Wholesale List. We offer finest assortment of the best new Chrysanthemums, Cannas, Carnations, Dahlias, also a magnificent stock of palms and other decorative plants, Hybrid Perpetual Roses, other hardy plants, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

SEEDS In Lithographed Packets for Retailing

We make a specialty of furnishing the trade with reliable seeds in Packets for retailing—they are without any business card, with blank space for same—and have an engraving of the flower, and the common, German and botanical name on the front, and a description of the flower and directions for cultivation on the back.

Price per 1,000, $10.00.

Send for samples and special prices for large lots.

STUMPP & WALTER CO., Seed Growers and Importers,
50 Barclay Street, New York.

Carnations.

Good Strong Stock at

Bottom Prices.

From Sand or Soil. Ready Now or Later.

Daybreak	$1.25 per 100;	$10.00 per 1000.
Tidal Wave	$1.25 per 100.	
McGowan	$1.00 per 100;	$9.00 per 1000.
Wm. Scott	$0.75 per 100;	$7.50 per 1000.

CASH WITH ORDER.

LAKE GENEVA FLORAL CO.,
Lake Geneva, - - - Wis.

ALTERNANTHERAS R. C. A. Nana, P. Major, R. Nana, 75c per 100, $5 per 1,000.

BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.

GERANIUMS **Bruant,** 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.

CANNAS nicely started, Mme. Crozy. P. Marquant, L. E. Bally. In assortment, $2.00 per 100.

A. J. BALDWIN, Newark, O.

Vaughan, McKellar & Winterson, Chicago, acknowledge no superiors in the packing of cut flowers for shipment.

Subscribers

ARE REMINDED THAT They will materially advance the interests of their paper by buying supplies of the advertisers in the

Always MENTION the name of the paper when sending inquiries or orders.

Florists' Review....

PLANT SHIPMENTS.

Messrs. Patrick O'Mara, John N. May and Charles H. Allen, representing the New York Florists' Club, were given a hearing before the senate committee in Albany, N. Y., on Wednesday, Feb. 23, on senate bill No. 426, amending the laws of 1893 and 1895, entitled: "An Act in relation to agriculture, etc., relative to the prevention of disease in fruit trees, and pests that infect the same." The nurserymen were also represented before the committee and after considerable discussion both before the convening of the committee and afterwards, an amendment offered by the committee, as follows, was accepted: "Section 5. That the provisions of this act shall not apply to florists' greenhouse plants, flowers and cuttings commonly known as florists' stock." The bill will be reported with this amendment, and will undoubtedly become a law.

An effort should be made and at once by the florists throughout the country to have uniform legislation on this subject. As pointed out in the previous report of the committee, which has been published, they are of the opinion that the vice-presidents of the S. A. F. in the various states should take the matter up at once. In states where laws are already in force bearing upon this subject, the florists should unite in a consultation with the experiment stations in an effort to have the laws amended, or at least have them interpreted as exempting florists' stock. The example set by the Michigan authorities can be cited because they have notified the transportation companies that florists' plants will be received in Michigan without certificates and without examination, provided that the experiment station is notified by the consignor and the consignee, stating that florists' plants are being forwarded. The example set by the legislatures of the states of New York and New Jersey and also by the house committee in Washington in accepting amendments excepting florists' stock may also be cited to strengthen the position of the florists. Every effort should be made to have the laws made uniform throughout the several states.

PATRICK O'MARA.

New York.

URBANA, ILL.—The boiler house at the greenhouses of Florist Yeats was destroyed by fire Feb. 17, and much damage was done to greenhouses and stock. There was no insurance.

NEW CARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $10 per 100.

Send for Price List of Standard Sorts

WM. SWAYNE,

Box 226. Kennett Square, Pa.

Carnations

New Carnations---------

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND — DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida
(Cape Jasmin.)
3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.

25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.

Oranges, best sorts grafted, 4-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.

Crotons, 3-in. pots, $10 per 100.

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AUGUSTA, GA.

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IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y,
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GERANIUMS,

	Per 100
Bruant, fine 3-inch	$2.75
Mixed Scarlets and Pinks, 3-inch	2.75
Rose, large leaved	2.50
Begonias, best varieties, 4-inch	4.00
Coleus, " " cuttings	.95
Cyperus Alternifolius, 2½-inch	1.50

Stock sure to please. Cash with Order.
GEO. L. MILLER, Newark, Ohio.

Seed Stores and..... Flower Stores
Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.
The WALKER FERTILIZER CO.
Clifton Springs, N. Y.

REED & KELLER,
122 W. 25th St., NEW YORK CITY.
Manufacturers of and Dealers in WIRE DESIGNS
FLORISTS' SUPPLIES

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

New Carnation Argyle

Scored 91 Points at the Convention of the American Carnation Society.

Spoken of as Grand in every respect. Order at once if you wish to get plants in season to give it a fair trial.

Twenty-five Dollars ($25.00) will be offered for the best 50 blooms at the Chicago show in November.

STOLLERY BROS., - - - Argyle Park, Chicago, Ill.

...BAKER'S...

NEW CARNATIONS

Grown and Tested Five Years.

ONEIDA pure pink, no trace of purple, rust proof, perfectly healthy, good grower, continuous producer, blooms of largest size.

RED JACKET bright red, of largest size, healthy, no rust, continuous producer, long stiff stems, never bursting calyx.

$10.00 Per Hundred.

Orders booked now to be shipped in rotation as fast as rooted.

CHAS. F. BAKER, Utica, N. Y.

VERBENA KING.



The largest Verbena grower in the world.

One Million

to offer the following season in 55 of the latest and best mammoth named vars. in cultivation, free from rust or mildew. Satisfaction and safe arrival guaranteed in every way to all parts of U. S. and Canada at 60c per 100; $5.50 per 1000; 5000 for $25; 10,000 for $45; 25,000 for $100. Express prepaid.

Heliotropes, rooted cuttings, 10 named varieties, $1 per 100; $8 per 1000. Express prepaid.

Cash Please.

C. HUMFELD,

Clay Center, Kan.

ROOTED CUTTINGS OF CARNATIONS:

New—Mayor Pingree, Victor and Flora Hill per 100, $5.00; per 1000, $40.00. Jubilee and Emma Wocher, per 100, $3.00; per 1000, $25.00. Meteor and Tidal Wave, per 100, $2.00; per 1000, $15.00. Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50; per 1000, $12.00. All well rooted. Satisfaction guaranteed or money refunded.

Geo. A. Rackham, 880 Van Dyke Av., Detroit, Mich.
Wholesale grower of Carnations and Small Ferns.

SMILAX FINE STRINGS **12 1-2 CENTS**

A. J. BALDWIN, Newark, Ohio.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

SIMMONS'

New Light Colored

CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM,

104 South 13th Street, Philadelphia.

FIREFLY!

A Rust-Proof Carnation for Business.

Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.

Geo. Hancock & Son, Grand Haven, Mich.

HEATING.

In writing about heating one of the most important points is often overlooked, namely, the position and size of returns for the various sizes of flow or feed pipes and coils. I have seen some excellent systems not working satisfactorily and where the trouble was due alone to lack of capacity in the returns, or to this cause and insufficient fall in the pipes. W. H. R.

In replies to general inquiries it is not practicable to state definitely or in detail the arrangement of mains and connections, so much depends upon the position of the boiler, length of mains, nature of connections and fittings, friction, exposure, and the ultimate amount of surface to be attached to the main, etc., but under ordinary favorable conditions, in connection with a low pressure steam heating system, in which the condensation returns to the boiler by gravity, I find the flow main having an internal diameter in inches equal to one-tenth the square root of all radiating surface to be attached, in feet, gives good results, and the return having from one-half to three-fourths the area of the flow, according to length and friction conditions. The pipes should all have a grade of not less than one per cent to give best results.

HENRY W. GIBBONS.

New York.

NEW CANNAS.

We have received blooms of the new cannas Duke of Marlboro, dark red, and Rosemawr, pink, from the Conard & Jones Co., West Grove, Pa. Both are very striking in color and the heads of bloom were large and individual flowers of fine form. They are certainly promising varieties.

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

Lettuce AND OTHER **Vegetable Plants**

Pepper and Egg Plants 25c. per 100 $2 per 1000

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

RUDBECKIA "GOLDEN GLOW"

Plants from 2-in. Pots, $2 per 100; $20 per 1000

Coreopsis "Harvest Moon," new, fine, $4 per 100.
Coreopsis Lanceolata, 2-in. pots, $2 per 100.
Achillea, "The Pearl," 2-in. pots, $2 per 100.
Cinnamon Vine, $10 per 1000.
Funkia Alba, $5 per 100.
Richardia Alba Maculata, $3 per 100.

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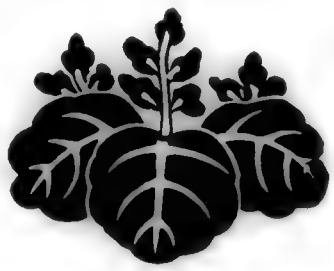
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No. 15 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

GOOD STOCK!!

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (2-in.), $20 per 1000.

GENISTA RACEMOSA, 4-in., fine stock, $10 per 100 STOCK A No. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, Ohio.

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Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Verbena, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves. Station X. **Chicago.**

GERANIUMS.....OCTOBER STRUCK

	PER 1000
2½-in. pots, best varieties	$25.00
Out of flats, ready for 3-in. pots	12.50
Rooted Cuttings	10.00

Rooted Cuttings of Salvia Splendens and Clara Bedman, Coleus, Ageratums.

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HERBACEOUS PERENNIALS.

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Per 100
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Verbenas, rooted cuttings, expr. prepaid. .60

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"

The New Carnation, Cerise Queen

READ WHAT THOSE THAT ARE GROWING IT HAVE TO SAY:

Mount Greenwood, Ill.
MR. FRED BREITMEYER,
Mt. Clemens, Mich.,

Dear Sir:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted calyx the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing, also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care.
Yours truly, C. W. JOHNSON.

H. DALE, Cut Flower Grower,
Brampton, Ontario.
MESSRS. J. BREITMEYER & SONS,
Mt. Clemens, Mich.,

Gents:—The plants of Cerise Queen which you sent me last spring for trial have done well; the flower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year.
Yours truly, H. DALE.

DAILLEDOUZE BROS.,
Flatbush, Brooklyn, N. Y.
JOHN BREITMEYER & SONS,
Mt. Clemens, Mich.,

Gents:—We have a few plants of your No. 16, Cerise Queen, on trial; the flower is medium size, but fine color, in fact the only fault we find is its dwarf habit; we should like to grow some for side benches, as we believe it far superior to Tidal Wave for that purpose, and should make a commercial variety, but not high priced. Please give us your best price on 1000 rooted cuttings.
Very truly yours,
DAILLEDOUZE BROS.

GEO. A. RACKHAM, Wholesale Grower,
Detroit, Mich.
J. BREITMEYER & SONS,
Mt. Clemens, Mich.,

Dear Sirs:—In reply to yours asking as to my success with your No. 16, Cerise Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.
Yours, GEO. A. RACKHAM.

Copy of a Letter--- My order for 1000 cuttings, which is a big one for my small place, speaks louder than words. W. N. RUDD.

We predict **CERISE QUEEN** is the coming Dark Pink Commercial Carnation.
Orders booked and filled in rotation. Price. $2 per doz.: $10 per 100; $75 per 1000.

MAYOR PINGREE—The best of all yellows. Buy your stock from the Originators.
Our stock is in excellent condition; $5 per 100; $40 per 1000, R. C.

JOHN BREITMEYER & SONS, Corner Gratiot and Miami Avenues. **DETROIT, MICH.**



Facts more eloquent than words,
C. S. A. awards highest of the year.
New York 95 points.
Boston 94 points.
Chicago 93 points.
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First prize, white, in strong competition at Boston and Philadelphia shows, and certificated wherever shown.
The ideal commercial and exhibition bloom.
Price, 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand.
Ready for delivery March 1st, 1898.

A. HERRINGTON, Florham Farms, Madison, N. J.

5,000 Extra fine three-year-old... **Clematis** In the best Leading Varieties:::

Holland grown. No reasonable offer refused. Write for prices or make a cash offer.
Lily of the Valley and all Spring Bulbs on hand now.

Write for Prices to..... **F. W. O. SCHMITZ,** Jersey City, N. J.

Burpee's Seeds Grow

CATALOGUES RECEIVED.

W. W. Barnard & Co., Chicago, seeds, bulbs, plants; Williams & Sons Co., Batavia, Ill., tree and plant labels; V. Lemoine & Fils, Nancy, France, new and standard plants, bulbs and seeds; P. J. Berckmans, Augusta, Ga., miscellaneous nursery stock; Kennicott Bros Co., Chicago, wholesale price list of cut flowers; Henry W. Gibbons, New York City, heating apparatus; H. Weber & Sons, Oakland, Md., chrysanthemums, carnations and new rose Mrs. Robt. Garrett; W. A. Manda, South Orange, N. J., new and rare plants, seeds and bulbs; W. Atlee Burpee & Co., unique list of best seeds that grow; Dingee & Conard Co., West Grove, Pa., seeds, plants and bulbs; Waldo Rohnert, Gilroy, Cal., seeds; Old Colony Nurseries, Plymouth, Mass., miscellaneous nursery stock; Morris Floral Co., Morris, Ill., plants; Riverdale Seed Farm, Gr. Rapids, Wis., choice seed potatoes and farm and garden seeds; Ellis & Pollworth, Milwaukee, Wis., cut flower price list; Thos. Meehan & Sons, Germantown, Pa., nursery stock; Vick & Hill Co., Rochester, N. Y., bulbs, plants, roots, etc.; Sunset Seed & Plant Co., San Francisco, Cal., seeds, plants, small fruits, nursery stock; Elizabeth Nursery Co., Elizabeth, N. J., nursery stock; Nathan Smith & Son, Adrian, Mich., new and desirable plants; Richard Vincent, Jr., & Son, White Marsh, Md., vegetable and other plants; Wm. F. Kasting, Buffalo, N. Y., cut flowers, florists' supplies, etc.

GALVESTON, TEX.

J. D. Preusner has recently removed to Tremont street and erected a block of houses in which are grown palms and ferns in quantity. Roses and carnations are forced with some success, but the main supply is obtained from the northern markets. In the spacious store a lucrative seed and bulb business is carried on. W. M.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St., Long Island City, N. Y.

IT SHOWS UP BETTER EACH DAY.

To see it growing, is to admire it, and be convinced regarding its ACTUAL MERIT.



COMPLETE, HANDSOME, ILLUSTRATED 12-PAGE CIRCULAR FREE.
.....APPLY TO ABOVE ADDRESS.....

WE HAVE 50,000 STRONG, HEALTHY.. Rooted Cuttings

Fine Carnations Pay
Poor Ones Don't.
You can't grow fine ones from cheap, poor stock.

Notice the report of the meeting of the Indiana Florists, Jan. 20, and see who got most the awards. Cuttings from our "Prize Winners" will grow you the same kind of stock.

Alaska, Scott, McGowan, Albertini, Kellar — $2.00 per 100, $15.00 per 1000
Triumph, Daybreak, Jubilee, Armazindy, $4 per 100 — $3.00 per 100
McBurney, Flora Hill, Mayor Pingree — $5.00 per 100

South Park Floral Co., New Castle, Ind.

100,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew.
Packed Light and.....
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

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TREE PAEONIA in only Choice Varieties; strong, 4-year-old plants, 50c. each....

Tree Roses, Snowballs, Hydrangeas, Clematis, Paeonia, Rhododendrons, Azaleas, Magnolias, H. P. and Moss Roses.

L. C. BOBBINK, Rutherford, N. J.

BRANCH OF THE HORTICULTURAL CO., BOSKOOP, HOLLAND.

	Pr 100	Pr 1000
GERANIUMS, 42 Named Var, mostly new,	$1.25	$10.00
SCARLET SAGE, Grandiflora and Bonfire,	1.00	7.50
COLEUS, C. Ver., G. B. and Park Beauty,	.80	6.00
Fancy Leaved, 25 superb varieties,	.75	5.00
ALTERNANTHERA, P. Major-A. Nana,	1.00	7.50
BEGONIA, Vernon and Erfordii, 6 colors,	1.40	12.50
PANSIES, Best Giant and Bugnot, reset,	1.00	6.50
PETUNIA, Single Finest Ruffled Giants,	.75	6.00
VERBENA, Mammoth Select, bright colors,	.50	4.00
Dwf. Ageratums and Heliotrope, B. & W.,	.85	
Any quantities at 1000 rates, by express.	Send for list.	

DANIEL K. HERR, Lancaster, Pa.

Rooted Cuttings.

American Beauties, Brides, Maids, Vic Kaiserin Perles, Belle Siebrecht, Meteors. Same in 2-in pots ready Feb. 15th to 20th.

Send 50c for samples and get prices. GEO. A. KUHL, PEKIN, ILL.

Carnation Cuttings ready.

THE REGAN ... PRINTING HOUSE ...

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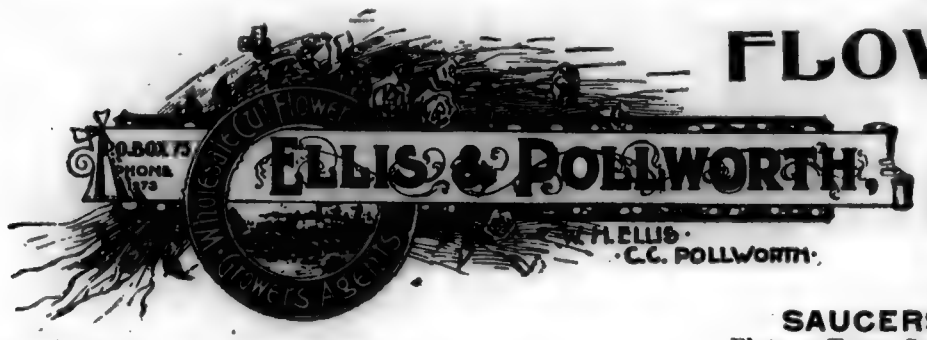
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STANDARD POTS

Height and width inside.

		Per 1000			Per 1000			Per 100
3	Inch	$3.50	4	Inch	$ 7.50	9	Inch	$ 7.00
3½	"	4.00	5	"	12.00	10	"	8.75
2½	" 3 in rose	4.50	6	"	19.50	12	"	18.00
3	"	5.00	7	"	43.00	15	"	40.00
3½	"	6.00	8	"	60.00	17	"	60.00

Special Prices on Large Quantity or Car Load Lots.

SAUCERS.

Plain or Fancy Saucers.

4 Inch Saucers, per 100	$0.50	9 Inch Saucers, per 100	$2.50	6 Inch Fern Dishes, per 100	$3.00
5 " " "	.75	10 " " "	3.00	7 " " "	3.60
6 " " "	1.00	12 " " per doz	.70	8 " " "	4.20
7 " " "	1.25	15 " " "	1.50	10 " " "	6.00
8 " " "	2.00	17 " " "	2.00	12 " " "	8.00

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Send for Illustrated and Descriptive Price List of Evelina and Other Novelties.

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Roses, Violets, Verbenas

	Per 100
Fine Roses, Teas and Hybrid Teas, best assortment, 2½-in. pots, $2.00; 3-in. pots..	$3.00
California Violets, young plants, fine roots..	1.50
Verbenas, best varieties, finest colors.....	2.00
Calla Lilies, 5 and 6-in. pots, blooming, 1st size	10.00
" " 4 and 5-in. " " 2nd "	8.00

Send us money or good references and say how you want them shipped.

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If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

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Brazilian Tonic Plant Food

A GENUINE GUANO. SOMETHING NEW AND WELL TESTED.

PLANT BRAND. A natural fertilizer for Palms, Tropical and Pot Plants; it intensifies color, and possesses healthful and invigorating qualities, and is harmless and odorless.

FLOWER BRAND. For Carnations, Violets and all bench plants in course of preparation.

A trial will convince you a long felt want is at last supplied. Experiments show wonderful results.

Write for prices and terms. F. L. ATKINS, Agent, SHORT HILLS, N. J.

Carnations Chrysanthemums

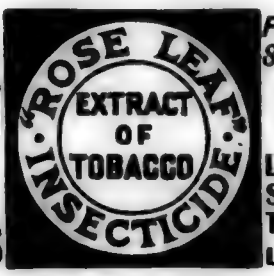
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CHAS. W. JACOB & CO.

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Write Us for Prices. Raffia.

No. 63 Pine Street, - NEW YORK.

ATLANTA, GA.

Rapid strides have been made during the past year, both in the West View grounds and greenhouses. The former bids fair to be one of the attractions of the South, while the choice stock being grown by Mr. Burford is highly creditable to him. Mr. McBurney, the genial manager of the company, informed me the demand and supply of stock has never been better than during this season, the crops particularly of Beauties, Perle, Bride and Bridesmaids for Easter being of great promise. Kaiserin is quite a favorite and will be grown even more extensively. In carnations, Flora Hill and Mrs. McBurney are simply grand. I have not seen larger or better blooms elsewhere. I noted a wire collar is used to support the roses, especially Beauties, in lieu of tying. It is easily applied and can be used over and over again. Asparagus and smilax are grown by the yard; fine stock.

The C. A. Dahl Co. are also cutting some choice stock. They report an increase in the line of decorations and will be on hand at Easter with big commissions, judging by present returns.

Wachendorff Bros. report a good season. They have a heavy line of spring stock; one of their leaders. W. M.

AMERICA'S OLDEST FLORIST.

The Daily Times, of Troy, N. Y., in its issue of Feb. 10 gives a very interesting sketch of the life of Louis Menand, of Albany, N. Y., who is undoubtedly the oldest living florist in America, having passed his 90th year. It is pleasing to learn from this report that our veteran still enjoys good health and is wonderfully active for a man of his years.

IMPORT DUTY ON IMMORTELLES.

By a recent decision of the Treasury department at Washington, acting upon an appeal, immortelles were classed as a non-enumerated manufactured article, with import duty at the rate of 20 per cent. ad valorem.

DES MOINES, IA.—The J. M. Clark Mfg. Co. has been incorporated with a capital stock of $10,000, to manufacture a shipping case for cut flowers.

Rooted Cuttings **Ageratum Monstrosa.** A dwarf variety with blue flowers of enormous size. The greatest improvement of the age in this popular flower. 40c. per doz. by mail, $1.50 per 100 by express. **Vinca Var.** $1.00 per 100. **Salvia Splendens,** $1.00 per 100. **Harrisii Lilies,** surplus stock, just right for Easter, in 5½ and 6-inch pots. Out of pots $18.00 per 100.
WM. M. KIDD, 2984 Atlantic Ave., Brooklyn, N. Y.

SEEDS LAWN GRASS $12.00 per 100 lbs.
Finest Quality Ever Offered (Retails @ 30c. lb.)
J. CHAS. McCULLOUGH, SEEDSMAN,
RECLEANER AND JOBBER GRASS SEEDS.
North-East Corner Second & Walnut Sts., Cincinnati, O.
SEND FOR ILLUSTRATED CATALOGUES.

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THOS. W. WEATHERED'S SON
Horticultural Architect and Builder



Get my Prices on Everything Needful for Erecting or Repairing of Greenhouses.

NO, I don't deal in masonry materials, but in everything else entering into the heating, ventilating, building or repairing of greenhouses.

ORDERS are filled as promptly and with as much care in small lots, as well as for large. No order is too small and none are too large.

PURLINS of strong angle iron, of wrought iron pipe, or clear cypress; all styles, all kinds. Cast iron foundation posts made to last. Putty made especially for greenhouse purposes.

QUESTION me about everything regarding heating, ventilating or building greenhouses. Am always ready and willing to advise with you as to all the above.

RAFTERS of wrought iron, welded at eave joint in one solid piece, or of wood strengthened at joints with a cast iron bracket, or of clear cypress of any size or style desired.

STEAM Pipe, Fittings, etc., of all kinds as well as for Hot Water, cast or wrought iron. "Standard Iron Construction" for greenhouses is the best, but if you will not have it, let me figure on anything you may want.

TELL me your wants relating to the heating, ventilating, building or repairing your greenhouses. I can help you.

Thos. W. Weathered's Son,
141 Centre Street, New York.

..100,000 PALMS..

		Per 100
Areca Lutescens,	4-in. pots, 18 to 20-in.,	$25
Cocos Weddeliana,	3-in. " 6 to 8-in.,	15
Latania Borbonica,	4-in. " 12 to 15-in., 1 to 2 ch. leaves....	15
" " "	4-in. pots, 15 to 18-in., 2 to 3 ch. leaves....	20
Phœnix Reclinata,	4-in. pots, 12 to 15-in.,	15
" "	5-in. " 15 to 18-in.,	25

50,000 Amoor Privet, best Hardy Evergreen hedge plant, 2 to 3 feet, $20 per 1000.
20,000 Citrus Trifoliata, best Hardy Defensive hedge plant, 2 years, bushy, $20 per 1000.
Send for Trade List. Address
P. J. BERCKMANS
AUGUSTA, GA.

PEACOCK'S PRIZE..... WINNING Dahlias
ALL THE NEWEST AND BEST VARIETIES.
It pays to buy from the leading grower. We grew more than 26 acres of Dahlias the past season—more than any five (5) other growers in the world combined. Write us for wants and prices before purchasing elsewhere.
Our 1898 illustrated descriptive catalogue, containing 24 pages, many new illustrations, and accurately describing all the leading new and old varieties, will be sent to all who received our 1897 list without application. Send for it, it will interest you.
W. P. PEACOCK, Atco, N. J.

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SIX SHARES OF STOCK ...IN THE...
American Florist Co.
This stock has sold freely at $100 a share in the past. To close out my interest I offer my remaining six shares at.....
$60 a Share.
Address G. L. GRANT,
520-535 Caxton Bldg., Chicago.

NEW GIANT ESCHSCHOLTZIAS,
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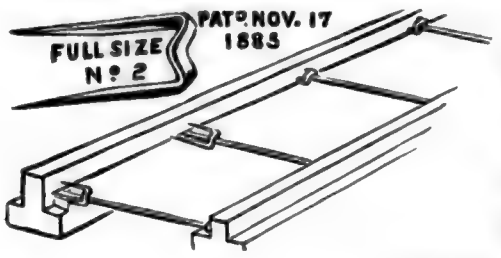


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The executive committee of the Society of American Florists will hold a session at Washington on Tuesday, March 15. Suggestions will be in order as to matters that the society should take up for the benefit of the trade. All such communications from whatever source will be welcome and given careful consideration by the committee.

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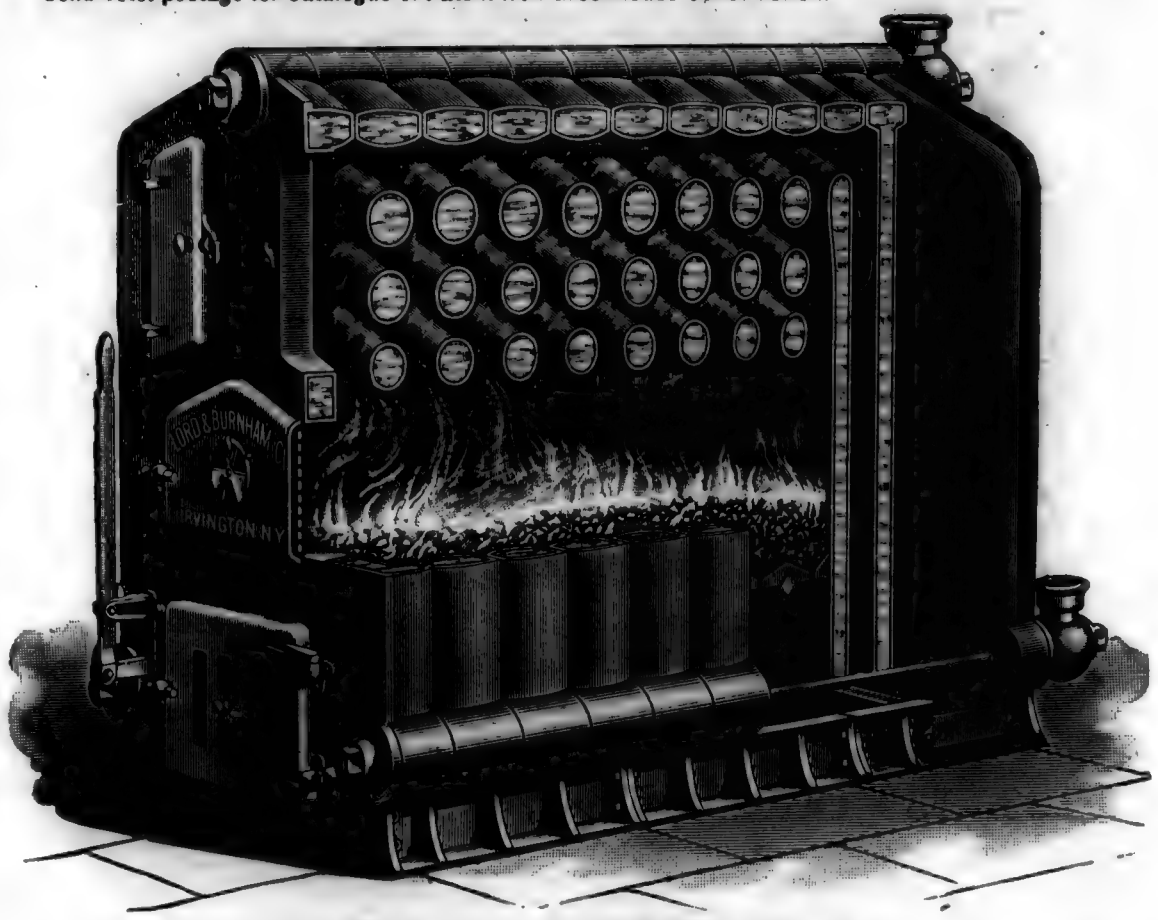
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Vol. 1. CHICAGO AND NEW YORK, MARCH 10, 1898. No. 15.

ADIANTUM MUNDULUM.

The subject of our illustration is one of the many interesting and useful forms of Adiantum cuneatum, and is correctly termed Adiantum cuneatum mundulum. The varietal name, which signifies neat, is well applied in this case, the plant being of dwarf and compact habit, and is better adapted for small ferneries than as an exhibition plant.

The fronds of A. c. mundulum are shorter and rather stiffer than those of the parent form, not often more than nine or ten inches long, very dark green and closely furnished with narrow, wedge-shaped pinnae. In general outline the fronds are deltoid, and when well matured they possess sufficient substance to be useful in cut flower work, where a small frond is required.

A. c. mundulum comes true from spores, and also germinates freely, the spores being produced abundantly on old plants, and it flourishes under the same treatment as A. cuneatum, thus being by no means difficult to manage.

Nicely grown plants in 3-inch pots are very short and bushy, and may be used to advantage where A. cuneatum proves too tall, and if the plants are not soft when used will possibly last a little longer than the last named fern, under the same conditions.

A. c. mundulum is of garden origin, and although in cultivation since 1879 is not frequently met with in the trade, in fact, seems scarcer now than it was ten years ago, no doubt owing to the greater demand for ferns of more endurance than is found among the maidenhairs in general. W. H. TAPLIN.



Adiantum Mundulum.

ACACIAS FOR FLORISTS.

Strolling along Broadway recently I reached the store of J. H. Small and before the window stood an individual looking intently at something there displayed. It was your New York correspondent and the object of interest to him was a bunch of the beautiful Acacia pubescens. His thoughts were reminiscent, toying with past visions of acacias in Kew Gardens in the lovely temperate house there which was not too hot for the ladies, but that is another story.

Having spoiled the reverie I was quietly made the victim of a request to say something about this and other acacias likely to be useful to florists here. It is strange they have not come into prominence before, as acacias, both as pot plants and in a cut state, are commonly seen throughout the winter and early spring months in London, Paris and other European cities. Anyone on this side in search of a charming novelty will find one of great attraction and I think of certain profitableness in the acacias.

The acacia family is an extensive one and widely distributed through South America, Asia, Africa and Australia, numbering several hundred species, but those most useful to the florist are Australian kinds, of which eight or nine species are commonly grown in gardens on the other s de

where they prove of easy culture, and extremely floriferous. They come within the category of what are known as hard wooded plants, but are not difficult subjects to handle like heaths. In their native land they are shrubs and trees, ranging in height from six feet up to sixty, according to kind.

Some of those that are naturally dwarf are so amenable to cultivation that they can be produced in most attractive shape in 6 or 8-inch pots, tiny bushes literally aglow with blossoms. Others of more rampant growth can best be recommended to grow for cutting only, combining as they do profuse blossoms with foliage as elegant as that of the choicest fern, so graceful in fact that if they never flowered at all one would be tempted to grow them for the beauty of their leaves alone. In the matter of leaves the acacia family and even the limited few here selected show remarkable distinctive variations. We see the true acacia leafage in A. pubescens, A. dealbata and others. Some, however, have no leaves at all, the functions of these being served by what botanists call phyllodes as in A. lineata and A. armata, while several others have only winged growths on stems and branches and all these diverse characteristics are represented in the few kinds here enumerated. Taking first of all those best adapted to grow and sell as

Pot Plants.

I would head my selection with Acacia Drummondi, a real gem and grown by the thousand in some European establishments. This has true compound leaves of a deep green color, has a natural stature of about ten feet, but can be grown as a dwarf bushy plant, producing from the axils of the leaves all along the shoots drooping cylindrical spikes of lemon yellow flowers as showy and lasting, as they are graceful and attractive. A. armata is another species that comes into the London market by the thousand, neat plants in 6-inch pots, jeweled all over with golden balls. It has little oval, oblong leaves, the tiny flowers massed in globular heads as round as a ball each on a little short stalk and hundreds of them on a plant of the size above mentioned. It has the additional merit of being delightfully sweet-scented.

A. lineata is another species that finds much favor for pot culture in private gardens on the other side, and it holds its deserved popularity by reason of its free blooming character as it always flowers freely, even though small, added to which it comes in about Christmas directly after the chrysanthemums. It makes a slender, graceful plant, has linear, grass-like leaves and deep yellow flowers in clustered heads on stems thrown out from the axils of the leaves. A. platyptera is another pretty species that has great capabilities as a pot plant and merits a place in the most exclusive selection. It differs, too, from all others noted here in that the plant has no leaves or anything resembling them, their place being taken and their functions served by curious winged growths that are concurrent along the stem and branches and varying from a half inch to one inch in breadth. It flowers in early winter, the flowers yellow borne in a close head on a short stalk.

A. cordata, another charming species, has distinctive features of its own, and is as desirable as any of the preceding. It takes its name from the heart-shaped phyllodes that freely clothe the slender branches while it flowers with wonderful profusion, even young cutting plants flowering freely after the first shift into 2½-inch pots. Its flowers are pale sulphur yellow, disposed in flat heads. I might enumerate others that can be made to flower in small pots, but here are enough and these the best of the genus. Another little selection must be made of those which growing larger before they reach the flowering stage are best adapted for use as

Cut Flowers.

Of course some of our friends stand aghast at the suggestion. Who wants such stuff? There is a market and a pretty large demand for it in other countries and "history repeats itself." A. pubescens, which suggested these notes, comes into this category. It is a small tree, growing six to twelve feet in height, but if accommodated with a large pot or a small tub, it can be flowered with the greatest freedom; can be cut in long, graceful sprays of fern and flower, united, as it were, and this cutting serves to give it what it would otherwise need, a good annual pruning.

Possibly the most beautiful of all is the silver wattle tree of Australia, A. dealbata. It would be hard to find another tree such a perfect embodiment of grace and beauty. Its compound leaves consist of ten to twenty pairs of pinnae, are of a silver-gray color, while from the axil of each leaf comes a long branched raceme bearing from fifteen to thirty round heads of rich yellow flowers. This acacia has been largely planted at Cannes and elsewhere along the shores of the Mediterranean for its beauty, and so successful has it been that quite an enterprise has sprung up and its flower laden branches are cut and marketed in all the principal cities of Europe. Something similar should be possible in some of the southern states below the region of severe frosts. In its native home the silver wattle grows as high as 150 feet, but it is so amenable to treatment that I have had it flower profusely each year just trained to a pillar in a conservatory, the plant being pruned hard back each year after flowering.

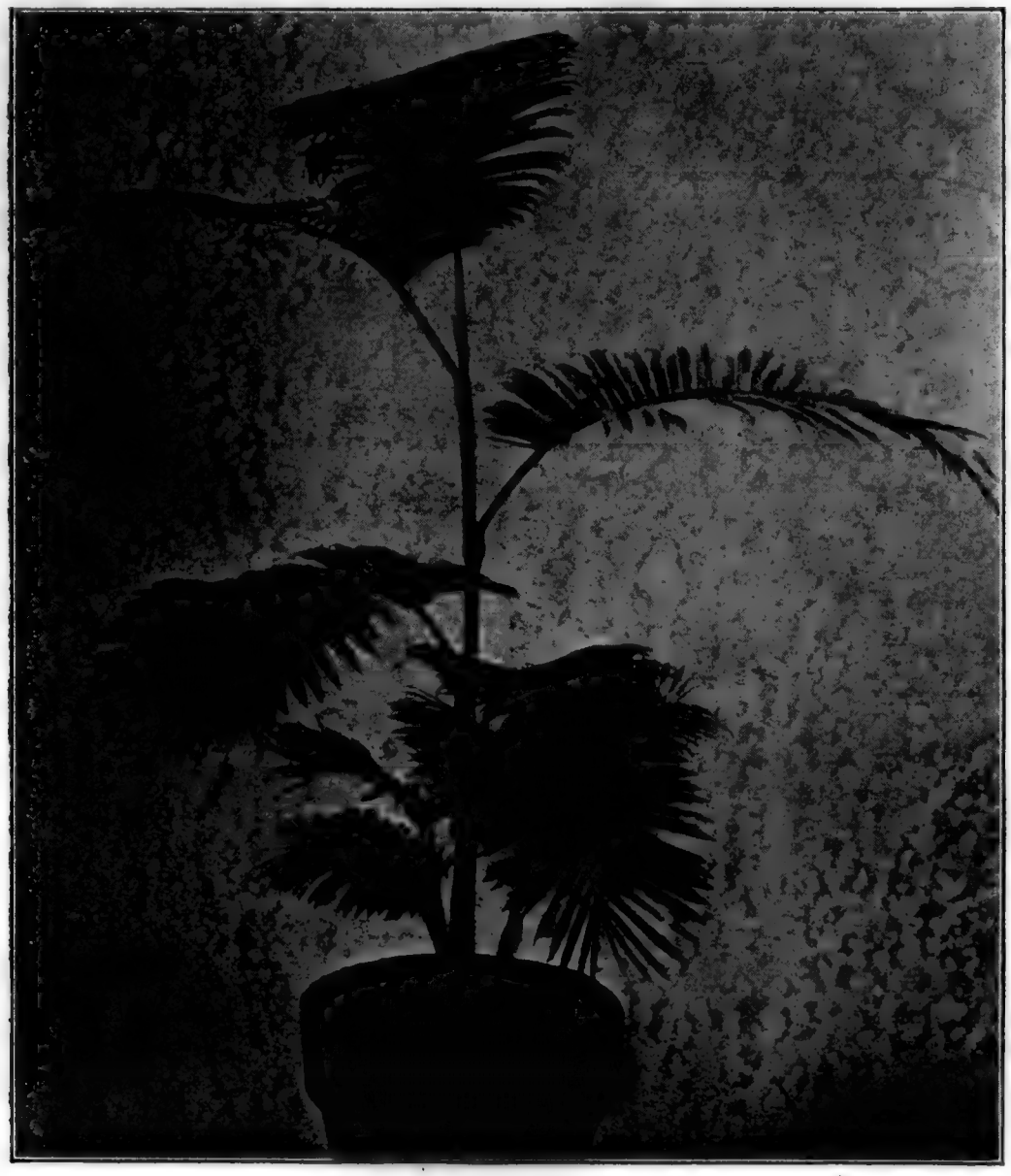
A. Riceana is another lovely species quite different from the two preceding it in that it has no true leaves. It has been aptly likened to a weeping willow, having that loose, pendant character of growth, its slender shoots clothed with long, narrow phyllodes disposed in clusters, while from their axils depend the flower racemes bearing round balls of yellow blossoms like strings of beads. A. pulchella, though last, is not least, as it makes a beautiful plant in a 12-inch pot, has true fern-like foliage and bright yellow flowers borne most profusely. It may be thought there are too many kinds for the commercial florist to grow, yet all are beautiful, and Nature was lavish in her original distribution of them, since she gave Australia in the neighborhood of 300 distinct species, from which vast number the selection here given is chosen, these having been in cultivation for a period varying from twenty years to a century or more. A few remarks as to their

Cultural Requirements

will possibly anticipate a request. Though acacias belong to the family of hard wooded plants they happily do not present such difficulties as have to be surmounted in dealing with most of their kindred, in short, they are easy to handle, of vigorous growth, and if by any chance they get a slight neglect the consequences are not disastrous. They can be raised from seed or struck from cuttings, this last being the usual practice.

Immediately after flowering, if the plants are pruned in, they soon break again, and when the shoots are about three inches long they may be made into cuttings. Although not absolutely necessary, it will be safer to the inexperienced, especially, to take off the cuttings with a heel of the old wood. They will not bear the exciting conditions of bottom heat, so should be inserted in pots or pans, these stood on a cool bottom in a temperature of about 55 degrees and covered with a bell glass to check evaporation. They will root in about six weeks, and when well rooted should be potted off into 2½-inch pots, using open loamy soil, shading slightly till established, but gradually inuring them to full sun and using the syringe freely when conditions suggest its advisability. Pinch them as they grow, shift into 4-inch and later into 6-inch pots, as they need it, and give abundant supplies of water at their roots at all times. Towards the end of summer syringe less and give all air possible to solidify and ripen the wood.

The strongest plants may be flowered and disposed of the following spring, but those a little weak might be wintered in a temperature of about 45 degrees and shifted on into 8-inch pots the following spring. Those that it is desired to flower will quickly respond to the stimulus of a little extra heat, but if they are placed in a house kept at 50 degrees by night that will



Calamus Ciliaris.

suffice to bring them out in a few weeks. This, of course, applies to those to be grown and sold as pot plants. The stronger growing kinds had best be kept growing on, shifting as desirable till they are in 12-inch pots or tubs, ripening the wood well at the end of the second summer. These will flower the following spring, and after treatment becomes a matter of simple routine, though it may be well to mention that these large plants may easily be kept in the open air for the summer months, putting them outside when their season's growth is well advanced. These large acacias for cutting may be particularly commended to florists who have glass and grow a quantity of the material they use, while others who make a specialty of pot plants for market would assuredly find the dwarf growers a remunerative article if well done.

A. HERRINGTON.

CALAMUS CILIARIS.

The rattan palms, or calamus, include twenty or more species of slender growing and very graceful palms that are found in a wild state in various portions of the tropics, chiefly in India or the East Indies.

Some of the species become climbers in their native country, and are said to attain a length of stem of 200 to 300 feet, and to trail over the tops of forest trees in Java and Borneo, but the subject of our illustration is one of the smaller growing species, and not likely to outgrow its accommodations for a period of several years at least.

Calamus ciliaris is a particularly graceful palm in a young state, having a slender, reed-like stem, and finely divided pinnate leaves. The leaves of this species are light green, the pinnae narrow and arranged very closely on the stem, and the foliage is rather soft to the touch, owing to its being covered with short, hair-like bristles.

C. ciliaris is essentially a warm house palm, flourishing in a temperature of 70 to 75 degrees, with abundant moisture, its tropical jungle habitat giving us some idea as to its cultural wants.

The leaves of this species being rather thin in texture, it is liable to attacks of red spider unless freely syringed and watered, but when well-grown is very attractive, and while not adapted for all trade purposes is a valuable and effective plant for special occasions.

C. ciliaris suckers freely around the base, and by careful handling these suckers may be removed and established, but it is necessary to keep them rather close and warm for a time in order to encourage the new roots, and also to be careful that they are not allowed to get too dry.

W. H. TAPLIN.

SOIL FOR BENCHES—CARNATIONS.

What can I use instead of sod for the bottom of rose benches? Sod is hard to get. Is there anything else as good?

What soil should be used for carnations? Should it be different from that for roses? My carnations have grown tall, but have bloomed hardly at all, notwithstanding they have shown thousands of buds all winter.

J. R. E.

The question has often been asked and has occurred to all of us. What is the best way to prevent the new soil from dropping through the spaces between boards of rose and carnation benches, as considerable will do if the boards are from a half to three-quarters of an inch apart, which they should be for rose growing. This question was asked, and answered from the platform at the convention of the S. A. F. years ago in New York by John H. Taylor, who said he put nothing on the bottom. The small quantity that fell through he could afford to lose, and that is largely true. There is, however, some waste about it, and I have always found that you could pick out of your compost enough soddy material to lay over the cracks before you wheeled in the bulk of your compost. On carnation benches I always take in a few barrow loads of rotted manure and distribute that over the cracks.

Carnations are grown in widely different textures of soil. On Long Island, where they certainly grow grand carnations, the soil is a yellow sandy loam. Lately I have seen superb carnations grown in the fat prairie soil of Illinois, but they added to that soil some clay and lime. In the neighborhood from which I write there is a great diversity of soil, some light sandy loam, some heavy loam almost a clay, and yet another, a brown light loam, largely impregnated with lime. Without any claims to analysis of soil in the least, I know enough to say that color and texture do not decide quality of soil, and it may contain ingredients that it would take a chemist to demonstrate. It is certain that carnations do not all do equally well in the same soil, and to classify all the varieties to their respective soils would be a long chapter, even if it were possible. One example I can give: Daybreak, that yet glorious variety, will produce its finest flowers and stems in a heavy soil, while the well known Scott does much better in a light loam.

There must be something else the matter with J. R. E.'s carnations besides the soil. If they have grown tall, "and thousands of buds" are on them, it must be temperature or water that is at fault, and then again there are a few varieties which have been sent out within a few years heralded as something wonderful, which as producers have been perfect frauds, always promising a wonderful crop, but which is never realized. Bridesmaid is an excellent type of these impostures, which reminds you of Pope's immortal words: "Hope springs eternal in the human breast; man never is, but always to be, blest." W. S.

AN INDIANAPOLIS STORE.

We present herewith three views in the store of the Bertermann Floral Co., Indianapolis, Ind. No. 1 shows part of the ice box, counters and wrapping tables. The door in the corner leads to the bookkeeper and the private office. To the left is a small elevator to the basement, used for bringing up the flowers. The show windows are open to the store, giving plenty of room for decorative effects.

No 2 gives a view toward the mirror and an easy stairway to the basement. In front of the mirror is the desk room for the use of customers in writing cards, etc. At the left two high arches lead to the design room and conservatories.

No. 3 looks toward the conservatory in the room for designs, baskets, vases and jardinieres, swinging doors connecting the two. A long table is used for displaying designs, etc., when selling. At the left is a door leading to the private office.



No. 1.

GLIMPSES OF THE STORE OF THE BERTERMANN FLORAL CO., INDIANAPOLIS, IND.

DISEASED ROSES.

I have a house of mixed roses, Bride, Bridesmaid, Kaiserin, Perle and Sunset. The two last named varieties are badly affected with club root or something of that nature. The leaves turn yellow and the edges look as if scalded. The roots are swollen, dead or brown, and the plants die. What is the probable cause, and is there any remedy? R. W. S.

"R. W. S." does not say what he has been keeping the night and day temperature at, but inferring that Bridesmaid and other varieties have been satisfactory the temperature cannot be far wrong and would not account for the present trouble with the Perle and Sunset. It may be club root, but without seeing the plants and roots I can't say.

What to do at the present moment is of most consequence to R. W. S. I would say that unless the plants are in a very bad state I would leave them in the bed and get what flowers they will produce between now and June 1st. It is wonderful the way plants of all kinds pick up on the approach of spring, and roses that have struggled along during the dark days of winter may now throw off disease with the genial conditions that the advance of the season brings. Don't attempt to propagate from this stock. Two lbs. of quick lime dissolved in 30 gallons of water, allowed to stand till it is clear and sprinkled on the beds, will do no harm and may help the roots.

W. S.

FORCE PUMP.

A subscriber asks if The Review can recommend a force pump that can be used with hose attached to distribute liquid manure and would not get clogged up easily by the manure.

If but one house is in use the force pump could be fixed permanently in the shed and would be easier to work. If to be portable and carried to different houses the same arrangement would not do, but most force pumps are made in more than one style. All first-class seedsmen advertise one or more makes. There is Henderson's "Success" would answer the purpose, also the "Perfection," but the one I have seen in use lately is "The Excelsior." It would answer the purpose admirably.

In pumping liquid manure, either from a barrel or tank, there should be a vessel or compartment into which the liquid after having extracted what is essential from the manure, can filter and be free of that part of the manure that would clog up a pump. The refuse of the manure is not what is wanted by the plants and should not enter the pump. This is not difficult to arrange.

W. S.

LANDSCAPE GARDENING.

Subscriber says: "Can you tell me through the columns of The Review whether there is published in this country any practical work on landscape gardening, giving bedding designs, descriptions, etc."

The two following works should cover the whole subject: "Handbook of Practical Landscape Gardening," by F. R. Elliott, "illustrated, designed for city and suburban residences, designs for lots and grounds." Or "Landscape Gardening, or How to lay out a Garden," by Edward Kemp, "illustrated, a guide in choosing, forming or improving small places or large estates." Both these works are of moderate cost and can be obtained from book stors or the leading seedsmen. W. S.

BORDEAUX MIXTURE.

In your issue of February 24th I notice a request for making a barrel of Bordeaux mixture and a few directions for its use on chrysanthemums and celery. The answer signed by W. S. is not in conformity with the more recent methods of making this mixture, and as the value of the mixture depends very largely on how it is made it seems necessary to correct the matter.

"Briefly, the best results have been obtained from the use of the Bordeaux mixture made in accordance with the following directions: In a barrel or other suitable vessel place 25 gallons of water. Weigh out 6 pounds of copper sulphate, then tie the same in a

piece of coarse gunny sack and suspend it just beneath the surface of the water. By tying the bag to a stick laid across the top of the barrel no further attention will be required. In another vessel slack 4 pounds of lime, using care in order to obtain a smooth paste, free from grit and small lumps. To accomplish this it is best to place the lime in an ordinary water pail and add only a small quantity of water at first, say a quart or a quart and a half. When the lime begins to crack and crumble and the water to disappear add another quart or more, exercising care that the lime at no time gets too dry. Toward the last considerable water will be required, but if added carefully and slowly a perfectly smooth paste will be obtained, provided, of course, the lime is of good quality. When the lime is slacked add sufficient water to the paste to bring the whole up to 25 gallons. When the copper sulphate is entirely dissolved and the lime is cool, pour the lime milk and copper sulphate solution slowly together into a barrel holding 50 gallons. The milk of lime should be thoroughly stirred before pouring. The method described insures good mixing, but to complete this work the barrel of liquid should receive a final stirring, for at least three minutes, with a broad wooden paddle.



No. 2.



No. 3.

GLIMPSES OF THE STORE OF THE BERTERMANN FLORAL CO., INDIANAPOLIS, IND.

"It is now necessary to determine whether the mixture is perfect—that is, if it will be safe to apply it to the tender foliage. To accomplish this, two simple tests may be used: First insert the blade of a penknife in the mixture, allowing it to remain there for at least one minute. If metallic copper forms on the blade, or, in other words, if the polished surface of the steel assumes the color of copper plate, the mixture is unsafe and more lime must be added. If, on the other hand, the blade of the knife remains unchanged, it is safe to conclude that the mixture is as perfect as it can be made."

Complete directions for preparing Bordeaux mixture may be found in Farmers' Bulletin No. 38 on "Spraying for Fruit Diseases." In the same bulletin also directions may be found for applying the mixture. A hand syringe is very unsatisfactory, as it very soon clogs up, but a cheap spray pump, costing from $3.00 to $5.00 may be obtained of any hardware dealer. This pump with an occasional packing of the valve will last for years and may be used for many different kinds of spraying. Suggestions as to the pump will also be found in the bulletin mentioned.

ALBERT F. WOODS,
Acting Chief.

Division of Vegetable Physiology and Pathology, Washington, D. C.

GRAPES CRACKING.

This defect is evidently caused by an overflow of sap to the berries, which is generally enforced by too close pinching of the sub-laterals, accompanied with high temperatures and excessive atmospheric moisture, and much feeding at the root. And again if the house is shut up close, and the night temperature is allowed to run to 75 or 80 degrees, which it will do, at the season when this grape begins to take on color, the condensation on the berries in the morning is sufficient to crack the fruit, if the foliage is at all defective. And if the canes are old-established ones, too deep rooting may be the cause of the trouble. And

vines grown in a very retentive soil, if liberally treated, are almost sure to crack their fruits, unless very judiciously handled.

If W. M. will consider those items collectively, and maintain a fairly dry atmosphere, with a good circulation of air, and allow the sub-laterals to run unchecked from the time that coloring starts, the chances of cracking will be reduced to a minimum. Madresfield Court will take on a good color and finish up well under heavy shade.

VITUS.

CARNATIONS

NEW VARIETIES OF 1897.

Mayor Pingree.—Those who saw this variety as shown by Mr. Rudd at the exhibition in Chicago will agree with me in the assertion that Mayor Pingree as shown there is a grand flower. And Mr. Rudd has demonstrated that it can be grown, and grown with profit, too. With the prices he realizes in the Chicago market for such blooms, he can well afford to be satisfied with a few blooms less to a plant, then he can cut from many other varieties, and still be ahead. The general report regarding this variety is that it is a little shy. The most notable feature is the flower stem; its length and strength are remarkable; and when, as it appears, one stem represents the length and strength, crowned with a flower as large as two of Scott, we must not be so unfair as to expect the same number. Nature may assume changes, make deviations in one genus of plants, but we can hardly expect to double a plant's growing power at a point where the limit is nearly reached.

Our plants have furnished so far quite as good flowers as those shown at the Chicago exhibition, and under rather adverse circumstances as I have stated in my former notes on new varieties. Its habit is good, growth strong, flower stem par excellence, the flower large and of a pleasing form when fully developed. In the opening of the blooms we notice a peculiarity rather unpleasing, and this is the incurving habit of the petals, but give the flower time and the petals will straighten out, or nearly so, with only a slight upward curve. When arriving at the stage of going to sleep the petals curve and roll up again, making the opening of the blooms remind one too much of their closing, otherwise they are quite good keepers. One other defect I have noticed on our plants is that from 10 to 12 per cent of the flowers come with split calyces, although the calyx seems strong and well built.

This variety was sent out with considerable rust, but I believe with good care and selection of stock, it can be eliminated. Our plants do not show susceptibility to rust as do many other varieties, and appear now comparatively clean. We find bacteriosis as it is seen in most other varieties. We have not lost any plants with stem rot. Taken all in all this variety is a desirable acquisition, and will be grown for many years to come.

Harrison's White.—To give an illustration of the general opinion in regard to this variety, I will give the verdict of one of our customers as a sample of many like communications received, and which I fully indorse:

"Harrison's White in same house with Scott acts very differently. It is a very healthy, fine looking plant and produces very fine flowers on good stems of much better quality than Scott, but have had till lately very few blooms. It would take an acre devoted to it to give enough flowers for Christmas cutting (until some means is discovered so that it will mature earlier). With us it does not look like Scott any further than that it is a carnation, for while Scott is a sea of blooms and buds, Harrison's White is a compact mass of shoots waiting for Easter with a few flowers interspersed."

This is a very modest opinion, considering the general condemnation this variety receives, and it is needless to add anything more regarding its parentage, for everybody is convinced that it is not a sport from Scott. The general opinion is that it is Puritan renamed, but under the peculiar circumstances the disseminator detected this supposed sport justified him in believing it a sport from Scott.

It is far from my intention to admit any dishonest motives or to cast any reflection on the disseminator, but it teaches us a lesson regarding the instability of a too quickly formed opinion concerning a new variety. In this case the illustrious reputation of the supposed parent blinded the eyes of everybody, even those of experts, and the result is loss and disappointment. On the other hand, will not this cause us to reflect, and be less hasty in condemning a new variety before we have given it fair trial? Harrison's White had a fair trial, as the very large dissemination shows, and was found wanting. Had every new variety that has been condemned such a fair trial?

There were two more white varieties disseminated last year, which do not come up to expectations, and these are Nivea and Ontario. I do not doubt in the least that they have been satisfactory to the disseminators, and like many other varieties will be valuable in the locality where they originated. With us they are of poor growth, especially Nivea. The stems are weak, flowers rather pretty, but small, and I cannot suppress the opinion that their cultivation is a step backward.

Morello.—This was the only scarlet introduced the past season and is a good grower, but not so good a bloomer with us. Not giving it a satisfactory trial and not hearing much about it, I will give it another trial this coming season. So far, however, it has been inferior to Jubilee and Dazzle with us; but this will not exclude the possibility, that in other sections it may prove superior.

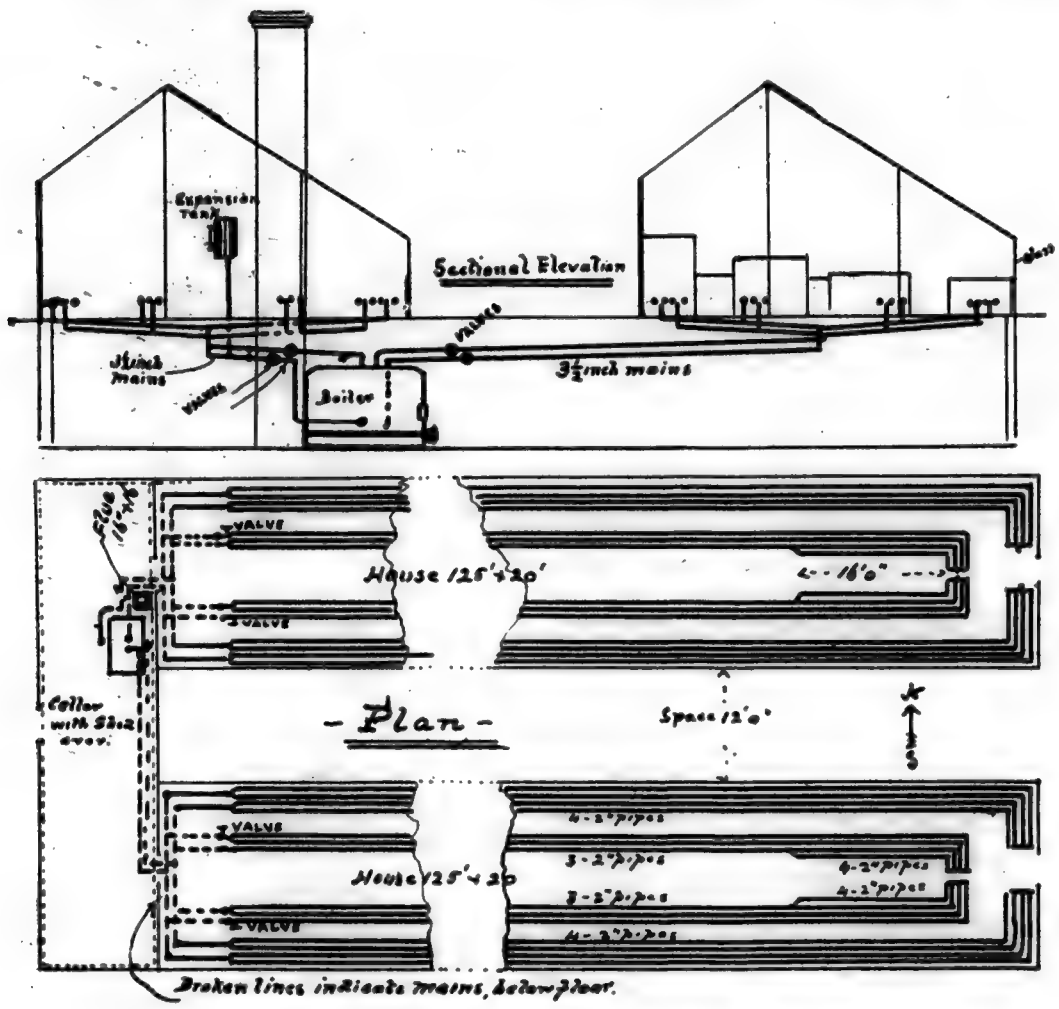
FRED DORNER.

VIOLET NOTES.

While the making up of designs and the growing of plants are two different things, yet the grower should know how to use what he raises, in the most artistic way, thereby, to a large extent, increasing the demand for the product of his houses. This applies especially to the violet grower, as violets lend themselves readily to rich, massive designs, even more than to light airy ones and still they are excellent for these if they are properly combined with the right greens. In bunching for street-wear, a long bunch made by using a leaf for every two or three violets and then commencing to wind with one of these for a point, adding on each side and top, making a long flat bunch with the foliage showing all through it, and finish by covering the last winds of thread with a violet ribbon to match (about number 2), and my word for it your lady customers will call for such a bunch the second time, for several reasons, the ease with which it is fastened to muff or corsage, and principally its improved appearance.

In making up funeral designs a combination of ivy leaves and violets is very rich and appropriate, especially for business men and elderly persons; columns, crescent wreaths, sickles, etc., being especially good designs for this combination.

In bunches to ship, the first impression of the consignee on opening the box is worth a good deal. In this matter much depends on the manner of bunching and the arrangement in packing. Previous to this season, the flat topped bunch with the leaves regularly arranged around the edges have been demanded despite the fact that they were clumsy, stiff and formal, but this season the demand has been for an artistic, properly arranged bunch, made by placing the lower ends of the stems even, allowing the flowers to be



Plan for Heating Two Three-quarter Span Houses.

at different heights, with the foliage in the same manner, through and around the bunch. This allows the individual flowers to show up for all that they are worth, as they cannot when leveled off, and improves the appearance in every way, even though it may not measure as much in diameter as the old flat bunch. As fast as bunched wrap a strip of tissue paper about the stems, and let the bunch stand in water till the stems are well filled, taking care not to get the flower wet at any time. After they are filled drain them for a few minutes to rid them of the surplus water, pack closely in layers, with the stems pointing in to the center, with oil waxed paper between each layer, but do not make more than three layers if possible. Always take care that they are packed tight, as they carry much better so. Of course due care must be exercised in wrapping the package, as they freeze readily. When the box is large enough, line heavily, as it is better inside than on the outside.

R. E. S.

VIOLET QUERIES.

"With a frame of Lady Campbell violets and a few California violets which have been grown outside for spring use, how shall I make ready to fill a small house in the fall? I would prefer not to use pots if I can have the same success without."

We would immediately take all the cuttings possible and place in the propagating bed, following this plan for several weeks yet, and then if in this way we did not secure enough stock the clumps could be lifted and divided for the balance, then follow previous notes in Review for treatment after this. Personally I would buy new stock rather than use the clumps, still many good growers do use them with success, and you might be able to do so.

"Can violets be grown successfully in a house with immovable g ass through the summer?"

This depends entirely on heavy shading, ample ventilation and an adequate water supply; that is, if the house has side and top ventilators and stands alone so that the heated air can freely pass out, and the water supply does not fail in the dry spells, I should try it.

"What are the characteristics of different varieties in time of blooming, keeping qualities, fragrance, dependence on most sun and ventilation?"

Good ventilation is an absolute necessity to all kinds. Lady Hume Campbell is the most fragrant of all, not keeping quite so long late in the season as Marie Louise, at least, not holding its color as well. This and Swanley white flower more freely the latter half of the winter than the first, and want several degrees more heat at all times than Marie Louise. The Farquhar and Marie Louise are the best violets to grow, if one can grow them, until March; after that your best violets will come from the Lady Hume Campbell, especially if kept closely picked.

"Which are the easier to grow, most fragrant, and best keepers, single or double?"

The single will grow the best with careless treatment. The best keepers and most fragrant are the double sorts.

"What varieties are preferred near Boston?"

Marie Louise.

"Our soil is light and gravelly. How shall I prepare a soil for greenhouse violets?"

Remove about six inches of the border, then spade as deep as possible, then cover with about four inches of well rotted sods; if these can be procured from a field where the soil is somewhat heavier, it is better. Spade this in well, then cover with about two inches of well rotted cow manure, dust this all over heavily with air slacked lime, say one quart to one hundred sq. ft. of surface, and spade again. If there is time, water heavily, and spade again as soon as dry enough not to hurt the soil, repeating this several times if possible.

R. E. S.

GREENHOUSE HEATING.

We propose to erect two greenhouses, each 20x125 feet, three-quarter span, 14 feet to ridge pole, running east and west, for growing cut flowers, roses, carnations, etc. Please tell us the best way to heat these houses.

Ohio. E. T. F.

The two three-quarter span greenhouses, having glass on the roof, vertical east end and two feet of glass on the south side, assuming a temperature of 60 degrees is desired, would be best heated by means of fourteen lines of two-inch wrought iron pipes, arranged as shown on accompanying plan, suitably connected to a boiler having a capacity of not less than 2,500 square feet of radiation. The mains should be of 3½-inch pipes, and should have a grade of not less than one inch in ten feet (better one inch in five feet) upwards from the boiler. The running pipes must have an upward grade from the boiler end of the house of not less than one inch in twenty feet, but it is well to give all the grade the height of benches and grade of land will allow, as increased grade means quicker circulation and more perfect and economical results.

At the east end of the center runs two additional pipes are laid for a distance of about sixteen feet, this is in order to take care of the additional glass exposure at this end, while at the west end, which is protected by the potting shed, the coils commence about eight feet away from the end, in order to avoid overheating this protected space.

An expansion tank should be connected to the return main, and placed as high as convenient in the potting shed, in all cases higher than the pipes at the far end of the houses, and air vents must be placed at the extreme end of all coils.

In case one of the houses is desired

of a lower temperature, say from 45 to 50 degrees, two lines of pipes in the center run may be omitted, but as the cost of running these additional pipes is so small and the advantage of being able at any time to increase the temperature is so great, it would be advisable to put in all the pipes as shown.

HENRY W. GIBBONS.

New York.



Pansies.

There is no time of year when you must keep a sharper lookout than now or many things will be spoilt. There is no frost in the ground and plants in cold frames, particularly pansies, want plenty of ventilation. We have had a spell of mild, bright weather, and they will begin to grow. The changeable weather has raised them out of the ground, so as soon as they are dry and the ground is mellow you should go over them, pulling out the weeds that have been certain to appear and pressing the pansies back into the bed. Give air to all stuff in frames on every favorable occasion.

Pelargoniums.

Pelargoniums that were propagated last September have been on a shelf near the glass in 4-inch pots since December last and with one pinching have made fine, sturdy plants. They do with little water during the dark days, but as the sun gets powerful, want to grow. A shift to a 5-inch pot will now be necessary, and if extra strong a 6-inch. Always remember that a pelargonium likes a solid potting, and as they will be too large for any hanging shelf, must have a light bench. At no time do they like any dampness, either on leaves, flowers or roots, or in the atmosphere, or I would say, not a damp house. While not wanting a high temperature at any time, they are easily ruined by a damp period in May, if the fire heat is absent; particularly is this the case when in flower, dampness causing the petals to drop on the foliage and decay of the foliage begins at once.

Seed Sowing.

The middle of the month is a busy time with seed sowing in our latitude. Asters, phlox, stocks, zinnias, marigolds and balsams if sown by the 15th are about early enough for the general crop and in right condition to sell to your customers for their garden. How to sow seed has been treated at some length of late, both from my pen and others. If you do err let it be on the side of sowing thinly. A bench where the temperature will average 55 degrees at night will do nicely for all of these useful annuals, and a shading of newspapers on sunny days will keep the soil from drying up. Plants with roots may like an almost natural time of dryness and then enjoy a good watering, but not so with seeds that are germinating. A uniform moisture will help very much to successful germination and welfare of the very young plant.

Cannas.

Cannas that were started a few weeks ago in flats and perhaps placed on the hot water pipes will now have grown six or seven inches high. If not convenient yet to pot them, move them into the light, and if not more than 50 degrees at night they will do well enough.

About the middle of this month we start our Caladium esculentum. We start them as we do cannas, placing them an inch or two apart in three inches of soil and give them the benefit of the heat of the pipes. They will quickly start by this method and you will save several weeks' time and valuable space on your benches. These roots have got down to a very low price, but don't let that induce you to buy the large size because they appear cheap. The 2-inch in diameter are large enough for any purpose.

Lilies.

For several years we have found a good use for the Lilium lancifolium, album, roseum and rubrum and a few L. auratum. The most useful of all is L. L. album. We have never tried to force them, and if they come into flower the earliest in July and a cutting is followed along till October, we find good use for them. We believe in potting them in 4-inch pots as received during the winter, placing under a cool bench and not watering. There is moisture enough in the soil to start them growing, and if they do not start for six weeks it is just as well. They have now made a growth of five or six inches, and when that far advanced must have the light of a bench and a shift into their flowering pots. A 5-inch will flower then nicely, but we find when three good plants are put into an 8-inch they take less watering, make better flowers and meet with a better sale. Great quantities of these lilies are cut from out of doors, but they are poor samples compared with those produced under glass, and the lancifolium type pay best, when they come in after longiflorum and candidum are gone.

Rhododendrons.

If you force any rhododendrons for Easter they are not nearly so easily started into flower as azaleas. If not showing an inclination to open their buds move them into a temperature of 60 degrees and keep them well syringed.

WM. SCOTT.

BALTIMORE.

The Market.

Trade continues at about the same pace as last week. The store windows are now resplendent in a glory of spring flowers.

Messrs. John Cook and E. A. Seidweitz both presented a very tasty display of miscellaneous bulbous stuff, which particularly caught the eye of your correspondent. Good stuff is now more plentiful and quite equal to the demand. The wholesale prices have changed but slightly.

Gardeners' Club.

In striking contrast to last meeting's "record breaker," there was but a slim attendance at the Gardeners' Club Monday, February 28. Little important business was transacted and upon the whole things were unusually quiet.

Messrs. Halliday Bros. exhibited a very fine specimen of Mrs. McBurney, the stem being almost equal in quality to that of a Beauty, and measured twenty-four inches long by one-fourth inch in diameter. Having looked forward to an interesting talk upon the never tiresome subject of carnations, we regret very much Mr. W. P. Craig's inability to be with us election night.

Question Box.

What are the advantages of planting chrysanthemums in benches over solid beds? Mr. Binder thought "no special benefit beyond the fact that better control could be had in watering."

Does huckstering plants affect the regular trade? The general sentiment of the club was voiced by Mr. Christy, who thought it did, as the class of people who did that kind of business were seldom reliable and in many cases both ignorantly and willfully misnamed and misrepresented, thus causing the public to become suspicious and to even distrust the legitimate trade.

Name the best geraniums for bedding purposes. Centaur, pink; S. A. Nutt, red; La Favorite, white.

To the question, "Would poinsettias ever come to the front again?" Mr. Pentland replied, "That their extremely difficult culture made it very improbable," a temperature of 80 degrees

being required in order to develop and hold the bracts. As there is yearly an increasing demand, the writer thinks it only a question of time before this so-called "flower" will be regarded as one of the Xmas requisites of every first-class florist establishment.

Mr. Aug. Rolker, of New York, and Mr. Paul Berkowitz, of Philadelphia, were in town a few days this week.

Obituary.

On Thursday, the 3d inst., Mr. Charles Hamilton died suddenly of apoplexy. Mr. Hamilton was in his seventieth year, and was born at Tyrone, County Armagh, Ireland, in 1828. After a preliminary education at private schools and the National academy, he commenced the study of floriculture in 1843, on the grounds of Sir James Strong, Lyon Abbey. At the expiration of four years he went to Dublin and for a time was engaged in the botanical gardens, when he afterwards entered the Revenue Excise in her majesty's service, which position he held until he came to America in 1851.

He was then engaged in the florist establishment of Solomon B. Davies. During this time he imported many orchids and rare exotics, which supplied the large conservatories of this city. In 1862 he established the florist business on the Old York Road, Waverly, which he managed until his death.

In him the Gardeners' Club loses one of its brightest and most active members, and his many friends in the craft extend their sincere sympathy to his bereaved wife and daughters.

C. F. F.

THE CLARA CEMETERY VASE.

The accompanying engraving is from a photograph of a vase for flowers in the cemetery, and it is certainly a vast improvement over the miscellaneous receptacles usually found in the cemetery. It is of heavy glass and stands about twelve inches high, the lower end being pointed so it can be imbedded about six inches in the ground and stand firm. The price has been placed at a figure which makes it possible to retail them at 50 to 75 cents and leave the dealer a profit of 100 per cent. It would seem that florists doing a cemetery trade should find a good demand for this vase. It is being introduced by Bassett & Washburn, Chicago.

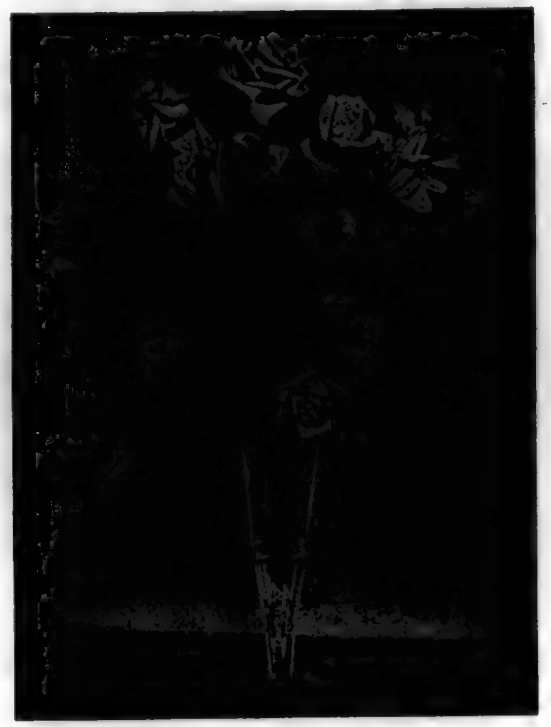
NEW YORK.

Among the Wholesalers.

"It is only Lent!" for that reason, however, prices went tumbling down the toboggan slide in spite of a comparative scarceness in some lines. On Saturday there was a slight upward tendency, a fair day and light shipments contributing largely to this. Things are about the same as the early part of the week, a few shipping orders helping out considerably. Prices will rule, however, low in most lines, as low as any time this season.

The finest Beauties realize but half a dollar, while Brides and Bridesmaids reach top at $12.50, a few exceptional Bridesmaids selling for $15. Meteors hold pretty steady, but stock is slow and not taken hold of like the popular Maid. Testouts and Carnots are still very shy and only small lots are seen, and price in accordance. Morgans and Cusins take chances with the rest.

There was a slight overplus of fancy carnations that put the top price down to $5. Harrisii remain about the same, though the tendency will be liable to trend upward from now till Easter, a large order for 10,000 flowers for the end of the month using up considerable of the surplus. Valley, after rallying a little, dropped again into the old rut.



The Clara Cemetery Vase.

Bulb stuff has not been so heavy as a rule and some of the better class of tulips have realized fair prices.

Brunners are commencing to assert themselves, but 40 cents is the top price for the best. For average prices see New York market.

Mr. Thomas Young, Jr., is always busy and his store has an air of neatness and dispatch. He takes special pride in his window which is at all times bright with seasonable flowering plants, tulips and hyacinths being much in evidence these days, with a backing of smiling clerks.

Seed and Bulb Trade.

Mr. William J. Elliott has returned from his trip to Bermuda, where he inspected the Lilium Harrisii crops. The disease has worked sad havoc in some sections, while other sections are entirely free from it. The crop as a whole is likely to be much shorter than heretofore. Mr. Elliott was much impressed with the island and its characteristics, and returned feeling much benefited by the trip.

Mr. John Clark, representing Joseph Breck & Sons, of Boston, was a recent visitor. Jack is looking the picture of health and from indications business must be good.

William Elliott & Sons hold their first spring auction next Tuesday, March 15, and will sell a fine miscellaneous lot of goods.

The Park Board selected Mr. John de Wolf of Brooklyn, as landscape architect-in-chief at a salary of $4,000 a year from thirteen applicants. Mr. de Wolf will be consulted on all changes in the park system of Greater New York.

Our Special Wholesale Report.

Business has been dull throughout the week, with a liberal supply of stock. Things have been going on from bad to worse since last Monday. This inactivity is not at all unusual for the early weeks of Lent, but it is just as hard to get down to the lower level of prices, which is its natural result. The higher grades of stock have been most affected and have been difficult to dispose of at steady prices.

Special Brides and Bridesmaids could be had at prices much below last week's quotations. Long Beauties went down to 50 cents and the shorts found indifferent buyers at low figures. Brunner has now entered the field against the Beauties and sell on a par with them, having a preference with buyers at present, because of their superiority in form and color. Jacks, too, are now coming along, but do not find a ready market.

Carnations, up to Saturday, were plentiful and sales dragged at reduced prices compared with the previous week, fine Scotts and Daybreaks selling as low as $1.25 and $1.50 per hundred. There is no use for poor stock and many of the low grade carnations were not sold.

Valley has dropped in price and, with tulips, Harrisii and freezias, is in limited demand. Daffodils move slowly. The violet market is in bad shape. They are all sold, but at unquotable figures.

The Florists' Club.

The regular meeting of the New York Florists' Club will take place next Monday, March 14th, and Professor John B. Smith, of New Brunswick, N. J., will lecture on the subject of "Greenhouse Pests."

The club will also hold its monthly exhibitions for the medals and certificates, and intending exhibitors should "read, mark, learn and inwardly digest" the rules governing same and appearing in our issue of February 17. About a dozen more names are on the nominating list and the club is on the high road of prosperity and usefulness.

Market Florists' Association.

There will be a special meeting of the Market Florists' Association, next Tuesday evening at 7:30, in Leach's restaurant, for the allotment of market stands and the transaction of busi-

ness preparatory to opening March 26. Stands will cost $1.12 and $1.25 and all growers and those interested in the association's work are invited to attend. There is every indication of the project being a success and laying the foundation of what will ultimately be the plant market of New York City.

The initiation fee is but $1 and a deposit guarantee of $5 if you expect to take a stand. All information can be furnished by the secretary, Mr. A. D. Rose, Jersey City, or any of the officers or members of the association.

Various Notes.

Mr. Owen P. McDonald, manager for N. Christatos, suffered a severe loss in the death of his wife last week, and has the sympathy of all his friends.

Many favorable comments have been made on the enterprise of The Florists' Review upon their comprehensive report of the club dinner and the photographs which arrived here Saturday morning, less than one week after the event.

Mr. James Clark, the genial manager of the Seawanhaka greenhouses, Oyster Bay, L. I., and several Holland gentlemen, who are visiting this country for their health and incidentally business, were recent visitors.

Brooklyn.

The members of the Bedford Club, Brooklyn, held a jollification a few evenings ago, the event being the working of the good fellowship degree upon Mr. U. G. Scollay, and the presentation of a handsome diamond solitaire. U. G. S. is a very popular member of the club, and The Review offers him congratulations.

James Mallon's Sons were very busy making up bouquets and baskets for a commencement held at the Academy of Music. Some of them were very handsome and displayed excellent taste.

James Weir's Sons are having a big call for boxes and trays of tulips and hyacinths, which are dressed with crepe paper and ribbon. They report business fair considering it is Lent, and expect to have about 40,000 lily flowers for Easter, including a very fine lot of azaleas and hydrangeas.

J. V. Phillips has plenty of funeral work all the time, and his window was a regular bower, containing some very fine rhododendrons and azaleas, well flowered and good varieties.

Mr. William Scollay is on the sick list.

John Scott is working up a fine stock of Pandanus Veitchii, also young ferns and palms. His cattleyas have also done good service this winter and fully paid for their board.

CHICAGO.

The Market.

Business is decidedly better than at the same period last year and indications are favorable for good trade all through Lent. The shipping trade is holding up particularly. The supply has increased largely and there is some surplus of tea roses and colored carnations, and in this stock and most bulbous flowers only the best find a market. The call for funeral flowers has been very steady and this has been the backbone of the market. At no time so far have there been such gluts as at the same season in former years, though undoubtedly some stock has failed to find a market, and there is a tendency to make special rates on large quantities. Prices on tea roses range from $3 to $6.

Notes.

This Thursday evening is "Rose and Violet Night" at the Florist Club. The discussion on roses will be opened by Mr. Fred Hills.

Bassett & Washburn are cutting large crops of very fine Brides, Bridesmaids and Meteors. Their cut of Beauties is also very large. They note a call for a better grade of flowers than formerly.

E. E. Peiser, of Kennicott Bros. Co., is spending a few weeks at West Baden, Ind. Mr. Flint Kennicott was on the sick list the first part of the week, but is now about again.

John T. Glover, of Winter & Glover, is also on the sick list.

W. E. Lynch has taken the agency for the Bohn ice box, made especially for florists, and displays a sample in his salesroom. It has a glass front and is very neatly and substantially made though the price is moderate. Mr. Lynch has given the box a thorough test and finds it economical and effective.

Mr. M. Rice, of M. Rice & Co., Philadelphia, paid the Chicago trade a visit this week. Mr. Roscoe Saunders, Aurora, Ill., was also a visitor.

Oscar Kreitling is building a new store with greenhouse attached, at 1566 W. 12th st., which will be fitted up in first class style. He will still retain the old store at 380 W. 12th st.

Vaughan, McKellar & Winterson are further increasing their stock of florists' supplies and are rapidly developing their trade in this department. They are also doing quite a business in plants. A lot of good cinerarias from a local grower were meeting with quick sale. Mr. McKellar thinks there is a decided future for the trade in plants.

By the way—Charley McKellar has a new hat which is so loud that you can hear the band play.

And don't miss the opportunity of sizing up Ed. Winterson in his new 29-cent suit and 7-dollar hat. It's a great combination.

ST. LOUIS.

Condition of Trade.

The cut flower trade in this city has felt the effects of Lent but little, nearly all the downtown stores having had something to do, most of it being for funerals. In the west end the florists say that Lent did not seem to have any effect on them the past week.

Stock did not accumulate at the wholesale houses, except violets and bulbous stuff.

Prices.

Prices are a little lower than they were a week ago. The market was never better supplied as to quality and variety of stock than at present.

Roses in all the popular sorts are not abundant and bring from $4 to $8, the latter figure being for good, long stemmed stock, such as Brides, Bridesmaids, Meteors and Kaiserin. Perles and Woottons bring $3, the best going at $5. A few extra fine Beauties were seen last week which sold at sight. Carnations are a little more plentiful just now; still good common stock sells at $1.50, with fancies at from $3 to $4.

Bulbous stuff is very plentiful and the Dutch and Roman hyacinths are sold at $2 and $3; daffs, $3; tulips, good, at $2 and $4 for the best; valley, $4; Harrisii, $12.50; callas, $8 and $10.

Violets are a great glut and have been for the past two weeks. Home grown California are held at 25 and 35 cents per 100; small singles, 10 cents; doubles, 25 and 35 cents; southern stuff of all kinds is coming to this market in great quantities and is selling for almost nothing. All kinds of greens are selling well; Smilax not over plentiful, at $12.50; adiantum, $1.00, and asparagus, 35 and 50 cents per string.

Notes.

Visitors in town are Lloyd Vaughan, of Vaughan, McKellar & Winterson, Chicago, and Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia.

Edward C. Buechel, secretary of the Riessen Floral Co., has been appointed chairman on special prize committee in place of William C. Young who resigned.

The manager of this year's chrysanthemum show reports that up to date the special prizes subscribed amount to $1,200. A souvenir program with colored plates will be one of the features of this year's show which will be held at the Coliseum.

Bowling Items.

The Bowling Club on Monday began its March series of 12 games. The usual three games were rolled. Mr. Lloyd Vaughan of Chicago, rolled with the members. Our high man for the night was C. C. Sanders, with 558; single high score, 214. Beneke, second, with 533; high score 189. Fred Weber, third, with 521; high score, 179. Dr. Helwig rolled two high single scores of 207 and 209, and Carl Beyer made 209 in one game. The attendance was good. J. J. B.

PHILADELPHIA.

Trade Review.

Business has become quieter, yet the conditions are by no means unfavorable. The growers are beginning to throw out a table or a house of some rose or carnation to make room for young stock and this, together with

the fairly cold weather we have had—two snowstorms so far this month—and the fairly brisk demand, has kept prices from dropping much.

There is difficulty in disposing of some cheap stock, but the retailers are coming forward nobly. "To keep the street men from getting 'there,'" as one bright storekeeper put it, as he bought a hundred short stemmed Beauties and put them in his window, attaching to the vase a card with a tempting price written thereon. Several weddings occurred last week and more are to follow, so prospects are encouraging.

The novelty in the plant line is climbing Souvenir de Wootton. This rose is said to have originated some years ago with Thomas Butler at Wyndmoor, and is what its name indicates, a climbing form of the old Wootton. It is being forced by Robert Craig & Son, prettily trained and evenly flowered.

The Florist Club.

The Florist Club meeting on Tuesday night was well attended and very interesting. W. P. Craig read a paper on the Carnation Convention at Chicago, which was heartily applauded; he also showed some blooms of the new varieties. The club decided to have a shad dinner later in the spring. John Burton's knowledge of parliamentary law, gained in the state legislature, greatly helped his side in a particularly lively debate. W. N. Rudd, of Chicago, was present and addressed the meeting.

The Botanical Society held a special meeting on Friday at which Robert Craig and Wm. K. Harris were to make addresses on "Living Plants."

Notes.

The agents of the bulb growers in Holland are with us now. They do not find business brisk in this city, but believe it will be better after Easter. There is some complaint about Narcissus Von Sion. The demand for this double daffodil has increased enormously in the past ten years, until this year it has given general satisfaction, being easily forced and very lasting. This year some of the flowers remain green in the center when fully blown or fail to develop at all. It is said that the leaves die too soon in Holland, causing the bulbs to ripen prematurely. The source of the trouble is unknown. Buyers of Narcissus Von Sion will do well to instruct the bulb growers with whom they deal on no account to ship them any stock not properly ripened. It will not prove satisfactory. No reliable firm will wish to ship this stock when the facts are known to them.

Saturday saw the close of the tournament of the Philadelphia Trap Shooters' League. Eleven teams competed on the handicap plan, the Florist team finishing second; a most creditable showing, especially when it is noticed that the Wayne Club, who captured first, received forty odd targets more handicap. The team comprised Messrs. Anderson, Bell, Burton, Cartledge, Hallowell and Parks. Following the team shoot were some special events. No. 7, 10 targets, known angles, was won by John Burton from a large field, with a clean score. J. W. Y.

WASHINGTON.

Trade Resume.

It was said of the Christian Endeavor people when they convened here that they brought a shirt and a $5 bill with them, and carried both away. The same cannot be said of the Daughters of the American Revolution here in convention last week. The stores that depend almost entirely on transient trade report a good week—in fact, better than the week preceding Lent. In addition to this, the passing away of several prominent citizens assisted the usual demand for flowers, which made the first week in Lent a busy one. Social functions do not cease in Washington society during the Lenten season, the demand for loose flowers for social teas, etc., being satisfactory to the trade.

Prices remain firm, quality of stuff good and quantity equal to the demand, with the exception of carnations, Violets are getting more plentiful and remain firm in price.

I notice that the carnations in this vicinity are bursting their calyces, particularly Scott. Last year it would have been difficult to find a single case of the Scott so deformed; this season it is the case with all the growers.

The florist store formerly owned by Mr. Eugene Cadmus, and later by Mr. Ignatius Glorius, was sold at public auction on the 23d inst., of all its contents, fixtures, designs, etc.

Appreciated Resolutions.

At the last meeting of the Commercial Florists' Association, a vote of thanks was sent to the Cleveland Florists' Club for the set of strong resolutions adopted by them and sent to the members of congress from their state, denouncing the system of free distribution of plants and flowers by the United States government in the District of Columbia, and the thanks were of that good old-fashioned kind from deep down in our hearts. Let us hear from the others, for we need your assistance, without which we can make but little headway.

Col. Bingham, in charge of public buildings and grounds, evidently thinks he can extend his system of free distribution still farther. Not content with robbing the florists of the cream of their trade, he has now extended the system to include private marriages. Last week, at such a ceremony, the plants for decorating the house, bride's bouquet and cut flowers were furnished from the government greenhouses by his order. If this continues many more seasons there will be no business for the florists. Even the police detailed for duty at the executive mansion are beneficiaries. One recently asked for and received a funeral design.

While writing of government competition I would like to correct a statement I made some time ago, in which I said the agent who was sent out by the department of agriculture to purchase plants had stated the plants were to be given to members of congress and other officials upon the assembling of congress. The parties who gave me the information are not certain that he used the words or intimated the plants were to be used for that purpose, and I willingly correct it. I would not meaningly do an injustice to him or any one else. W. H. K.

ROCHESTER, N. Y.

Supply and Demand.

With the bright and only moderate cold weather we are having lately, flowers become more plentiful every day, bulbous stuff especially coming to market in very large quantities and not all of it can be worked up to advantage. Carnations and violets, however, are readily disposed of and none of the roses are spoiling. The demand all around continues very good, though some days a slight decline could be noticed.

Personals.

Geo. Arnold is supplying this market now with his well grown, long stemmed sweet peas, which are the admiration of all and sell at sight; the supply, however, is not yet up to the demand, but increasing rapidly.

John Dobbertin, who for a number of years has conducted a small but well paying business on the outskirts of the city, is now preparing to open a regular florist store in a more central location on Clinton street and is quite confident of success. Go ahead, the more the merrier.

Young Rhind, from Canandaigua, was in town last Saturday making the rounds among the growers. He is a very bright young man, the son of the well known successful violet grower Duncan Rhind and certainly takes an earnest interest in the growing of cut flowers of every description, though for the present his father has no intention of growing carnations or roses more largely than heretofore, but may do so later. Violets have proved to be with him a most satisfactory crop, and although the diseases have bothered his plants early in the season, they are now, as he says, remarkably clean and healthy and the flowers coming to town prove it, for they are among the best in this market.

The friends of Mrs. F. Schlegel will be pleased to know that she is slowly but surely recovering from her severe injuries and will soon be again able to go about as usual.

W. L. Keller, of J. B. Keller's Sons, is at present in New York on a visit to his uncle J. M. K., of Bay Ridge. Novelties in Easter stock he is after, but it is doubtful whether he will find what he is looking for.

George J. Keller all at once comes out now with the finest lot of Agathea coelestis we have seen yet. He kept his plants hidden away in a frame until last week and intends to get all of them in for Easter. They are nice little stocky plants in 5-inch pots, now full of buds and there will be no trouble to dispose of them, for they are really splendid. He also has the finest lot of late cyclamen; just right for Easter. They were kept back in a very cool house and are now profusely covered with buds.

Harbingers of Spring.

On the southern slopes in Highland park we noticed last week, that the little snowdrops are out almost in full bloom. In their protected situation they have been in flower usually very early, but this is to my knowledge the earliest date since the establishment of the parks. Quite a generous quantity has been planted additionally last fall and it can plainly be seen that the public appreciate the efforts of our untiring superintendent, for visitors are decidedly numerous in this park whenever the weather is pleasant, though the snow has not disappeared yet from the northern and eastern slopes nor in the deeper ravines of the grounds.

K.

BOSTON.

Club Meeting.

At the last meeting of the Florists' Club the members listened to a very interesting discourse by Mr. Emil Mische on the Royal Gardens at Kew, England, which brought out considerable discussion. A vote of thanks was tendered the lecturer.

Mass. Hort. Society.

At the weekly exhibition there were only a few displays. R. & J. Farquhar showed a fine new variety of narcissus; Peter B. Robb, of Whitinsville, a good variety of Cattleya Trianae; Mrs. E. M. Gill, of West Medford, a fine plant of Agathea coelestis, an old plant, but one worthy of more general cultivation.

At the monthly meeting there was quite a discussion as to whether the society should move or remodel. A project was mentioned of building a large glass structure on Boston Common by permission of the city government. Further action will be taken at the next meeting.

The Market.

There has been a heavy increase in the supply, which has also improved in quality. Ruling prices are about as follows: Beauties, $8 to $50; Brides, Maids, Meteors, $4 to $12; Perles and other varieties, $2 to $5; carnations, $1 to $2; Harrisii and longiflorum, $6 to $8; narcissus, Romans and valley, $1 to $2; violets, 25 to 60 cents per 100.

Various Notes.

Recent visitors were J. E. Killen, representing C. H. Joosten, New York, and several Holland bulb growers. The latter say that the crop of hyacinths was light, but that narcissus and other bulbs are plentiful.

Mr. Carl Blomberg will deliver a lecture on aquatics before the Florists' and Gardeners' Club of Newport March 23.

C. H. J.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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REPLY OF A BOSTON EDITOR.

One of the unpleasant things a park superintendent has to meet is the fierce criticism of the uninformed when the superintendent finds it wise to thin out existing plantations of trees and shrubs. And unfortunately these criticisms are often made the basis of a sensational article by one of the local dailies which still further misleads the public. We are pleased to note that the Boston Transcript has set a good example in such cases, as evidenced by the following inquiry and answer that appeared in its issue of Jan. 31 last:

To the Editor of the Transcript:

Will you please inform me who is this man Pettigrew who is ruining the beautiful park with his axe? And is there no asylum in Boston for idiots? G. E.

Mr. J. A. Pettigrew is the chief executive of the Board of Park Commissioners of the city of Boston and superintendent of Boston parks. He was superintendent for many years of Lincoln park in Chicago, which was practically made by him, and lost his place because he incurred the displeasure of Governor Altgeld. Immediately after leaving Lincoln park he became superintendent of parks in Milwaukee, Wis. At the end of a short time he was chosen to fill the more important place of superintendent of the parks of Brooklyn, and from Brooklyn he was brought a year ago to Boston. He is a conservative, cautious, economical man, with executive force and a practical knowledge of trees and their cultivation, road-building and the general necessities of park management. He is the acknowledged head of his profession in the United States, and since he has been in Boston he has been asked to return to the charge of Lincoln park in Chicago, to become superintendent of the parks of Buffalo, New York, and of the parks of the borough of Manhattan in Greater New York. During the year he has been in Boston he has saved his salary ten times over by systematizing park work and cutting off needless expenditures. As long as Mr. Pettigrew remains in his present position and is supported by his commissioners the people of this city need feel no anxiety about their parks.—Editor.

SUB-WATERING.

The essay by Prof. Arthur, read at the convention of the American Carnation Society and published in our last issue, has attracted much attention from progressive growers. One of the greatest drawbacks to the proposed new method is the expense of lining the greenhouse benches with zinc to secure a watertight bottom. Mr. Washburn, of Bassett & Washburn, Chicago, is contemplating the experiment of lining some benches with the stiff blue clay subsoil to be had in his vicinity at Hinsdale. His idea is to line the benches with the clay, then place in a layer of cinders and broken bricks, and over this a layer of Jadoo, upon which is to be laid the soil. The cinders and broken brick would have the merit of cheapness and the Jadoo would keep the soil from packing among the bricks, and at the same time act as a quick absorbent. He intends to experiment on the lines above described and the results will be looked for with interest.

CHEAP FUEL FOR GREENHOUSE HEATING.

From the number of letters I am now receiving from florists in all parts of the country, I think the above question might be of interest to the many readers of your valuable paper.

We are now well on in the second winter that I have used exclusively clay and hard coal screenings in about equal parts. Clay wet to about the consistency of tempered clay for making stock bricks, slack and clay well mixed and used as mixed. In starting fires a few shovels of coke or soft coal is thrown into the furnace, or, if neither of those are at hand, a few sticks of wood, old blocks or anything that will take fire. As soon as the above is well started a thin layer of the mixture is put on, it is then left for one or two hours when it is well started and giving off heat; the furnace is then filled with the mixture and there is nothing more to do for ten or twelve hours, when it is again filled up and left till ready to clean out forty-eight hours from time it is started. My boiler has two distinct furnaces, one of which is taking care of the boiler while the other is burning up, or one bright fire at all times.

I find several florists have been trying my mixture in an ordinary boiler with more or less success, less as a rule. Any one who would like to try it should start the fire in the usual way, say with hard coal, and get up a strong heat; before the coal begins to get dead fill up the furnace with the above described mixture, it will deaden the heat for some time; when it

gets well started they will be surprised at the amount of heat it gives off and the time it will last. Before it is burnt out clean the experimenter will find that the fire must be drawn as the heat is going down too fast, as nothing can then be done but draw out the fire and make a new start; in that case the stoker will want to give up his job rather than try the experiment again. If the fire can be allowed to burn out clean the drawing out is an easy matter if the furnace door is large enough. If the furnace is enclosed in iron or water spaces it cools off so fast when fire is dumped or drawn it will require a lot of coal to start the mixture; it would be almost like using up a cord of hickory wood to burn a cord of sweet chestnut.

Any cheap fuel that I have ever used I could never find satisfactory for greenhouse purposes with a single furnace to the boiler, as there is too much time lost before it gives out sufficient heat. I have used peat as fuel where we could cut and stack it within twenty yards of the furnace; it would give out a strong heat, but made so much ashes it was impossible to keep grates clear, and dumping fires so often to get rid of ashes, it proved a failure. If the same material was at hand it could be used successfully with the double furnace.

S. TAPLIN.

Detroit, Mich.

PITTSBURG.

Business Keeps up Well.

For the first week of Lent business has kept up well. Indications here point to a continued good trade for the balance of the penitential season. Roses, carnations and Harrisii are selling well. Tulips, hyacinths and daffodils have been plentiful and cheap. Blooming plants are rather conspicuous in our show windows, azaleas and genistas prevailing.

The Lily Disease.

Your correspondent, in an interview with Mr. Fred Burki, was informed that in his opinion the greater prevalence of disease in the Harrisii is due to the shipment of unmatured bulbs. It is supposed that shippers in Bermuda, in order to evade the tariff duties, sought to make their shipments as large as possible, and in this way, after the best bulbs had been selected for the earlier shipments, which proved, to a large extent, free from disease, the more immature bulbs were drawn on for later shipments. It is a fact that disease is more common in the later shipments. A number of growers here place their loss as high as 60 per cent of the product.

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Florists' Review
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WANT ADVERTISEMENTS.

A FIRST-CLASS MAN is now open to engagement fully competent in every respect; expert grower of both plants and cut flowers; wants an opportunity to better himself; no object to change unless there is an opportunity for him to show his abilities on a scale that will make his services worth at least $75 a month. Address S. D., care Florists' Review, Chicago.

WANTED—A good florist, married man preferred; one who thoroughly understands the growing of carnations, roses, violets and mums; must be pleasant and honest, to such a steady job and good wages; references expected. Address Boston, Florists' Review.

FOR SALE—Cheap for cash. An old established florist and seed store in Chicago, doing good business. Reason for selling, owner has two places. Address M. O., care Florists' Review.

SITUATION WANTED—As foreman by an up to date rose and cut flower grower; good manager and hustler and can furnish best of references as to ability to fill a first-class position. Am open for an engagement at any time desired. Give full particulars when writing. Grower, care Florists' Review.

SITUATION WANTED—By young man, 19, on large private or small commercial place, where thorough knowledge of bedding and landscape can be learned; 3 years' inside commercial experience. A., 439 Bromhall Avenue, Jersey City, N. J.

SITUATION WANTED—As foreman or grower on commercial place, unquestionble ability in all braches. Reliable, industrious and capable of assuming entire charge. Nixon H. Gano, care of Florists' Review.

FOR SALE—600 feet of 4-inch cast iron pipe and fittings; 38 boxes of 10x12 double A glass; a 14-feet iron smoke stack. Address Paul Krohn, 175 N. Clark St., Chicago.

SITUATION WANTED- By practical all round florist, German, age 36, single; 20 years' experience in propagating and growing roses, carnations, mums, violets and pot plants; best of references. Florist, 713 W. 8 St., Cincinnati, O.

SITUATION WANTED—By florist, with life experience in growing cut flowers and plants, as working foreman; is holding a similar position at present; American Beauties a specialty; A 1 references. Near Chicago preferred; age 30 and married. Address W. S., care Florists' Review.

SITUATION WANTED.—By practical florist as foreman. First-class rose grower, also cars. mums violets and general stock. 15 years in this country; 5 years in one commercial place; 8 in another; 2 years in present position. State wages paid. Good references; married. Address, B. C. care Florists' Review.

TO RENT.—14,000 feet of glass, consisting of seven even span, north and south houses. Near Philadelphia, Pa. X care Florists' Review.

SITUATION WANTED—By practical florist and gardener, commercial or private; No. 1 rose grower, carnations and violets a specialty; good designer; age 38; best references. Address W. G., 164 E. Main Street, Alliance, O.

SITUATION WANTED—By practical all round florist and gardener fully competent to take charge. First-class references from present and former employer. Disengaged March 15. Address, W. B. A., care Florists' Review.

SITUATION WANTED—By first-class gardener and florist. P. W., care of Florists' Review.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—Florist; wages $15 per month and board. Address L. M. Cottle, 622 64th Ave, Oak Park, Ill.

SITUATION WANTED—By single man, four years experience in commercial greenhouses; age 25; salary no object. Address B. T., care Florists' Review.

SITUATION WANTED—Near Chicago, by first-class grower of cut flowers and plants, also mushrooms and cucumbers. Was in charge of last place for six years. Good references. Parties wanting a good all round man please address F. G., care of Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

Please mention the Florists' Review when writing advertisers.

Hot-Bed
Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

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We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

Send Advertisements NOW
...FOR OUR...
SPECIAL SPRING NUMBER
To be Issued March 24.

SUBSCRIBERS are reminded that they will materially advance the interests of their paper by buying supplies of the advertisers in the FLORISTS' REVIEW, always mentioning the name of the paper when sending inquiries or orders. : : : : : : :

GRAND RAPIDS, MICH.

The Florist Club.

The Grand Rapids Florists' Club held a meeting at Alfred Hannah's, on East street, near Burton avenue, Tuesday afternoon, Feb. 15. After a trip through both plants, for there are two. about one-half mile intervening, one grown exclusively to carnations, with which Mr. Hannah is very successful, and the other used for roses, mixed plants and flowers with which to supply his store trade, the meeting was called to order by Henry Smith, in the absence of President Stover. Charles Chadwick was admitted to membership.

Solid Beds vs. Benches.

Henry Smith read an able paper on "Roses." A great diversity of opinion was expressed regarding the advantages of growing on solid beds versus benches. Solid beds planted to Brides and Maids, with under drainage of tiles, was cited as showing that good roses can be grown in that way.

Walter Grey, of Cincinnati, was mentioned as being successful with solid beds, keeping the plants in bearing year after year, instead of replanting at great expense each year. Mr. Grey once remarked to the writer that he had wasted $2,000 per year in unnecessary expense of labor and new stock by adhering to the old method. He claimed finer flowers and a more abundant crop. Why don't the concerns around Chicago grow them in solid beds, was asked? The reply was that the soil was too heavy and wet, lacking proper drainage. Some considered it advisable to keep part of the plants in two years, similar to the method pursued by some Detroit florists, thus having one-half the stock one year old, the other two years old. The majority were, however, in favor of the present bench system.

Black Spot.

The cause of black spot was assigned to several conditions—overwatering, sudden changes of temperature, draughts and mulching too early, while the wood was in such a soft, sappy condition, and in such rapid growth that the plants could not assimilate it when the cold nights arrived. This condition, followed by hot days, causes a check in the flow of sap, resulting in a congested condition, followed by black spot. Bride, Bridesmaid, Perle and Meteor were considered the only profitable varieties to grow for winter blooming, and Kaiserin, Testout and La France for summer. While all florists must grow some American Beauty roses, it is not considered a profitable variety in this vicinity.

CAMDEN, N. J.—Mr. C. W. Turnley mourns the death of his little grandson, Lawrence Turnley, who died Jan. 13, aged 8 years, of diphtheria.

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Greenhouse Woodwork

Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time for the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

WRITE FOR CIRCULARS OR ESTIMATES.

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LOCKLAND, OHIO.

ROYAL PALM NURSERIES · REASONER BROTHERS · ONECO, FLORIDA, U.S.A.

MUSA ENSETE

Strong, 3-in., ready May 1st. $1.25 per doz. $8 per 100.

FETISH BANANA

A rare novelty, just from Africa. Half dwarf. Ready May 1st. $1 per doz.; $7 per 100.

CARICA PAPAYA

The fine new bedding plant, as easily grown as a Sunflower, **thriving** in heat and drouth. Ready May 1st. Strong from 3-in., $1.50 per doz.; $10 per 100. Send for list of

PALMS and other RARITIES.

Reasoner Bros., ONECO, FLA.

Rooted Cuttings.

	Per 100	Per 1000
Verbenas, 18 var., very strong	$0.70	$6.00
Coleus, 12 varieties	.80	7.00
Heliotrope, 4 varieties	1.00	8.00
Alyssum, double	1.00	
Swainsonas	1.50	
Petunias, double, 10 varieties	2.00	
Vinca Major	2.00	

Smilax, from flats.....50c.; 2-inch pots, 75c.
Pelargoniums, 6 leading var., 3-in. pots, $5 per 100
Selaginella Martensii.....2-in. pots, $4 per 100
Express paid, cash with order.

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1878 New PRICE LIST for SPRING and SUMMER. If you have not received it, send postal; **1898** will mail you list and beautifully illustrated Descriptive Catalogue.

Horticultural imports and exports from Europe, China, Japan, Australia, Mexico, etc.

Address, **H. H. BERGER & CO.**

Established 1878. **220 Broadway, New York.**

GOOD STOCK!!

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $3.50 per 100; Mad. Salleroi (2-in.), $20 per 1000.

GENISTA RACEMOSA. 4-in., fine stock, $10 per 100 STOCK A No. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, Ohio.

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MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

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Chrysanthemums, Carnations and Violets.

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Catalogues now ready.

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CRAW'S FERTILIZED ....FLOWER POTS

For growing and shipping plants. Send at once for samples; no charge. If you grow tomatoes or pot plants you cannot afford to pass over this.



Made of extra heavy manilla waterproof cardboard, fertilized.
wire stitched seams. Perfect drainage and shipped flat.
No extra charge for packing case or cartage.

SIZE.	GROSS WEIGHT PER 1000	PER 100	PER 1000
2¼-inch	About 30 lbs.	$0.25	$2.00
3 -inch	" 40 "	.40	3.00
3½-inch	" 50 "	.55	5.00

Terms Net Cash with order.

These square pots economize space, giving more room to the roots than the tapering round pots.

In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow without check.

Address all orders to

STUMPP & WALTER CO.

50 Barclay Street, NEW YORK.

GERANIUMS

That will please you and prices that will suit you.

S. A. Nutt, La Favorite, Heteranthe, $2.50 per 100; $20 per 1000; Beaute Poitevine, Mary Hill, $3 per 100; Mme. Bruant, Frances Perkins, $5 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

NOTICE! A new flower store will be open March 15th, 1898. Would like growers to send samples and price lists of roses, carnations, violets and miscellaneous cut flowers.

JOHN DOBBERTIN,
Cor. Clinton and Franklin Sts., Rochester, N. Y.

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ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

Cut Strings, 8 to 10 Feet Long, 50 cts. Each.

Shipped to any Part of the Country.

ASPARAGUS SPRENGERII SEED

From new crop, now ready, $1.25 per 100, $10 per 1,000. The most useful and profitable Florists' plant of recent introduction.

Asparagus Plumosus Nanus Seed.

Guaranteed true and to germinate not less than 90 per cent. $1.25 per 100, $10 per 1,000.

CLUCAS & BODDINGTON CO., 501-503 W. 13th St., New York City.
Tel. Call 403 18th St. SEEDS, BULBS AND PLANTS.

HARDY ROSES,

C. H. JOOSTEN, Importer,
193 Greenwich St., NEW YORK.

Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

Rawson's Famous Chrysanthemums

WM. H. CHADWICK,
YELLOW FELLOW,
MADELINE PRATT.

Ready now by eading firms and the grower. **GROVE P. RAWSON, Elmira, N. Y.**

Extra Fine Rooted Cuttings by Mail.

Ageratum—Morton's Perfection, Mexicanum, 75c per 100. **Coleus**—10 standard named varieties mixed, 60c per 100; $5 per 1,000. **Carnations**—Eldorado and Mrs. Fisher, $1 per 100; $8 per 1,000. **Daisies Marguerite**—Yellow and white, $1 per 100. **Fuchsias**—Three leading varieties, 75c per 100. **Geraniums**—10 standard bedders, $1 per 100, $9 per 1,000. **Heliotrope**—Best, always blooming, M. Bryant, $1 per 100. **Swainsona**—Alba Perfecta, $1 per 100. **Salvia Splendens**—Alba, Yellow Bird and Purple, 75c per 100. **Violets**—Marie Louise and Lady Campbell—Flowers from same marked XX, 80c per 100; $7 per 1,000.

MILLBROOK LEA GREENHOUSES.
J. L. MAULL, Whitford, Pa.

20,000 LITTLE BEAUTY

.FUCHSIAS.

Now ready in bud and bloom.

	Per 100
The best up-to-date Fuchsias in market	$5 00
Lord Byron Fuchsia	5 00
Begonia Rex in best varieties	4 00
Madame Pollock Geranium	3 00

Plants ready to shift into 4-inch pots.
Cash with order.

F. BRITENBAUGH & BRO.,
(Allegheny Co.) **Bennett P. O., Pa.**

CINCINNATI.

Encouraging Outlook for Easter.

Springlike weather prevails and consequently stock of all kind is coming in quite freely. There is not an oversupply in the market by any means as trade continues to be quite brisk. Several big jobs are booked for the near future which will clean up any surplus that may accumulate. Roses and carnations are still in the lead. Violets are plentiful and are now selling fairly well, although the price on this once popular flower is not what it used to be. Orders and inquiries are coming in for Easter, and our growers say that they are going to hit it just right. Well, we only hope they will, and trust that they will be able to supply the demand without giving us any pickled stock.

Notes.

A. Sunderbruch's Sons had a large wedding decoration last week. It was the biggest affair of the kind for some time and gave them a chance to spread themselves and display their choice collection of palms to advantage.

Recent callers were M. Reukauf, representing Bayersdorfer & Co., Philadelphia; S. S. Skidelsky, representing R. Craig & Son, Philadelphia; D. McRory, with W. A. Manda, South Orange, N. J.

Mr. George Sawyer, foreman for Critchell's Sons, is visiting his parents at Summit, N. J. It is whispered around that there is another attraction in the east for George, and that upon his return he will be accompanied by a bride. He has our best wishes.

D. R. Herrick, of Price Hill, who has been quite ill, is now able to get around. B.

SHADING.

For some years we have used the following and find it the most satisfactory of anything we have ever tried:

For a shade that is wanted to last well on the glass mix one gallon of buttermilk, one gallon of water and a two-inch pot full of clay and apply to the glass with a whitewash brush. It will hold to the glass all summer if desired. The above proportions are for a light shade. If a heavier shade is wanted add a larger proportion of clay. A three-inch pot full of clay to the given quantities of buttermilk and water will make a fairly heavy shade, and a four-inch pot full will make as heavy a shade as will ever be needed. If the shade is not desired to remain long on the glass use less buttermilk. For a very light shade buttermilk and water alone answer admirably.

One excellent feature about this shading is that it can be easily and quickly removed when desired. All that is necessary is to wet it and it can then be quickly rubbed off with the brush, though it is not washed off by rains. C. K.

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Vaughan, McKellar & Winterson,

WHOLESALE

FLORISTS SUPPLIES
FLORISTS SEEDS
SPRING BULBS

CUT FLOWERS.

All the leading varieties in Carnation Rooted Cuttings.

We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.

Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000 ..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000 ..... 12.50
Fine mixed Gladioli Bulbs, per 1000 ..... 7.50

SEND FOR CATALOGUE.

Vaughan, McKellar & Winterson, - - 45-47-49 Wabash Ave., Chicago.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivals Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

BOXES New Model, Practical Florists' Delivery Boxes

LIGHT AND DURABLE

Made of Wood and Lined with Oil Cloth

WRITE FOR PRICES.

G. MORIN, 125 W. 25th St., NEW YORK CITY.

IT'S A MISTAKE

TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up to date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

SEND FOR CATALOGUE.

COLEUS... ROOTED CUTTINGS WELL ROOTED....

Scarlet Verschaffeltii, Golden Verschaffeltii, Fire King, Fire Brand, Tam O'Shanter, S. P. Gem, Alhambra, Golden Crown, Midnight, Salvator, John Goode, Nigger, 15c per doz.; 75c per 100; $5 per 1000; express paid.

S. T. DANLEY, - Macomb, Ill.

Catalogue for **1898** mailed free on application.

HIGH GRADE SEEDS. Fertilizers and Agricultural Implements.

Carry a full line of implement repairs. Get our prices before buying.

THOS. J. GREY & CO.,
32 S. Market St., Boston.

CAPE JESSAMINES GARDENIA FLORIDA.

Strong and stocky, 8 to 12 in., $3.00 per 100; $25.00 per 1000; 1 to 1 1-2 ft., $5 per 100; 2 to 3 ft., $10 per 100.

JOHN MONKHOUSE, Caddo Nursery, JEWELLA, LA.

GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

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Also Dealer in Florists' Supplies and Wire Designs

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Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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..C. W. WORS..

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FINE ROSES—Shipped Carefully to all Parts of the Country.

ALBERT J. BAUER, Pres. FRANK M. ELLIS, Mngr.

MOUND CITY CUT FLOWER CO.

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Consignments Solicited.

Special Attention paid to Shipping Orders.

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ASPARAGUS PLUMOSUS 50c. a String SMILAX 10c. a String

ROOTED CUTTINGS

We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all Cuttings to be in first-class condition in every respect, and will be delivered as you want them.

SEND IN YOUR ORDERS NOW.

...ROSES...

Brides
Bridesmaids
Meteors
La France

$1.50 Per Hundred.

DO NOT WRITE FOR OTHER KINDS FOR WE DO NOT GROW THEM.

We shall have abundance of nice Plants later in the season.

...CARNATIONS...

	Per Hundred	Per Thousand
Triumph	$3.00	$25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.
Long Distance 'Phone No. 10.

Store....88 Wabash Ave., Chicago, Ill.
Long Distance 'Phone Main 223.

TORONTO.

Effect of Weather on Business.

This fine weather we have been getting for the last week has been doing a lot of good and flowers have been better both in quality and quantity. In spite of it being Lent, too, the demand has been very fair and a good business is being done in the city at any rate. Some one writing in a contemporary over the signature E., says that the retail trade is too slow here in Canada. Well, perhaps, we may be a little slow in some things, but all the same, I don't think we lose much by it; "the longest way round is often the shortest way home." I wish to say, however, that the above mentioned E. is not the undersigned E.

Hort. Society.

The Horticultural Society meeting last Tuesday evening was a very pleasant affair and in spite of the election, very well attended, the ladies turning out in fine style. Mr. Utley, owing to sickness and press of business, was unable to continue his essay on Seasonable Seed Sowing, but Mr. Thomas Manton gave cultural directions for various house plants which were on the table and answered many questions, and the president, Mr. Ross, read a very interesting paper on House Climbers—Hardy, Half Hardy and Tender, which was well criticised and discussed. Mr. Ross makes an ideal chairman. His tact and geniality carry every one with him and make life seem worth living.

Executive Committee Meets.

The Executive Committee of the Gardeners' and Florists' Association went over the Chrysanthemum show prize list the other day and suggested a considerable number of changes which will have to go through regular meeting before being finally decided on. This meeting was a very lively one and there were any amount of motions and amendments and informal talk. E.

CONCORD, MASS. — Mr. Wilfred Wheeler has recently built two houses and is growing violets and carnations.

POLO, ILL.—M. E. Miller is building two houses, each 18x76, for carnations and general stock.

FREEPORT, ILL.—Louis Bauscher has added to and improved his greenhouses in many ways. His stock is in good condition.

ROCKFORD, ILL. — Among the many interesting things at the greenhouses of H. W. Buckbee is a fine house of Jubilee carnations. He has several houses of other varieties, but Jubilee is a favorite. The large stock of plants for the catalogue trade are in fine conditions. The establishment now contains 26 good-sized houses.

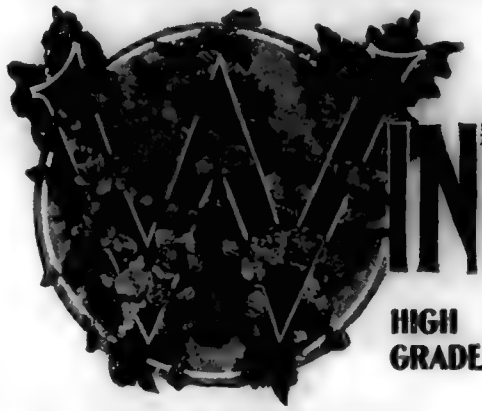


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WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE,
CHICAGO, ILL.

Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.

LONG DISTANCE TELEPHONE
EXPRESS 466.



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HIGH GRADE Cut Flowers

Properly packed and promptly forwarded.

FULL LINE OF WIRE DESIGNS
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...Wholesale Florist...

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New Catalogue of all Florists' Supplies on application. For the trade only.

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CUT FLOWERS.

All telegraph and telephone orders given prompt attention.

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HUNT'S WEEKLY QUOTATIONS.

Taking Effect Mar. 10, 1898.

Subject to Change Without Notice.

We are headquarters for CUT FLOWERS.

CARNATIONS.

Ordinary Selected Stock	per 100,	$1.50—
Extra	"	2.00—

ROSES.

Beauties, long	per doz.,	4.00—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	4.00—
Maids	"	4.00—
Meteor	"	4.00—
Perles	"	3.00—

GREENS.

Asparagus	per string,	60.—
Ferns,		
Adiantum, short supply	per 100,	1.00—
Common Fancy	per 1000,	2.00—
Smilax extra heavy, per doz.		1.50—
Galax	per 100, 15c., per 1000,	1.25—
Leucothoe Sprays	per 100,	.50—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—

Fresh stock always on hand.

MISCELLANEOUS.

Marguerites	per 100	.60—
Mignonette	per bunch of 25,	.50—
Forget-me-not, per 100		1.00—
Callas	per doz.,	1.00—
Harrisii	"	1.00—
Lilac, per bunch		1.00—
Romans	per 100,	2.00—3.00
Paper White Narcissus	"	2.00—
Valley	"	2.00—3.00
Violets	"	.60—1.00
Tulips	"	2.00—
Daffodils	"	2.00—
Freesia (extra select		2.00—
Dutch Hyacinths	per doz.,	.75—
Orange blossoms, per doz. sprays		2.00—

No orders filled for less than one dozen, and as they are not cut till ordered reasonable time must be given.

All other seasonable stock at market rates.

Special Attention Given to the Shipping Trade.

ORDERS, PLEASE.

All the leading Carnations now ready.

	Per 100.
Geraniums named, our selection only, 2¼ in.	$2 00
Salvia Clara Bedman, 2¼ in.	2 00
Little Gem feverfew, 2¼ in.	2 00
Coleus, 20 best bedders, 2¼ in.	1 50
Lycopodium Dent'n, 2¼ in.	2 00
Tradescantia Multicolor, 2¼ in;	2 00
Alternanthera Aurea Nana, and P. Major, 2¼ in.	2 00

SEEDS.

Mammoth Verbenas, Asters and Pansies only $1.00 per oz.

The Morris Floral Co.,
MORRIS, ILL.

Azaleas, Bay Trees, Araucarias, ..Palms

SANDER, Bruges, Belgium.
A. DIMMOCK, Agent, 60 Vesey St., New York.

FERNS

In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

CHAS. T. DARLING,
Stony Brook, L. I., N. Y.

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30,000 DAHLIAS.

Before ordering your Dahlia Stock, be sure and send for my Catalogue.



The leading Dahlias of the world, **$5.00** to **$7.00** per 100 for large field grown roots.

Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist,
BOX 382, DENVER, COLO.

Lily of the Valley

Very Fine Pips for Easter Forcing. ....Well Rooted

$10 Per 1000

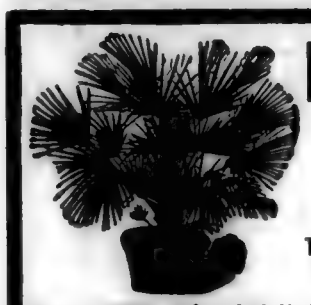
H. N. BRUNS, 690 W. Van Buren St., Chicago.

STANDARD CANNAS — STRONG ROOTS

	Per 100	Per 1000
Mme. Crozy	$3.00	$25.00
Alphonse Bouvier	3.00	25.00
Florence Vaughan	5.00	40.00
J. D. Cabos	5.00	40.00
Chas. Henderson	3.00	25.00
Paul Marquant	3.00	25.00
Stella	4.00	

Cash with Order. Satisfaction Guaranteed.

ERNST MAAG, Quincy, Ill.



PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

BEAUTY CUTTINGS

Well Rooted, $5 per 100
2½-in. Pots, $8 per 100

Clean Stock! CASH WITH ORDER.

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STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 1.00; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

CHAS. L. MARSHALL,
67 Merrimac St., - - Lowell, Mass.

SEND ADVS. NOW FOR OUR SPECIAL SPRING NUMBER

To be Issued March 24.

NEW YORK MARKET.

Week Ending March 5th, 1898.

Am. Beauty, fancy, extra, long stem, each	35c to 50c
Am. Beauty, extra, each	15c to 25c
Am. Beauty, culls and ordinary, per 100	1.50 to 6.00
Brides, 1st, per 100	3.00 to 5.00
Brides, 2d, per 100	1.50 to 2.50
Bridesmaids, 1st, per 100	4.00 to 5.00
Bridesmaids, 2d, per 100	1.50 to 3.00
Brunners, 1st, per 100	20.00 to 40.00
Brunners, 2nd, per 100	8.00 to 15.00
Meteors, 1st, per 100	4.00 to 6.00
Meteors, 2d, per 100	2.00 to 3.00
Testouts, 1st, per 100	4.00 to 6.00
Testouts, 2d, per 100	2.00 to 3.00
Morgans, 1st, per 100	3.00 to 5.00
Morgans, 2d, per 100	1.00 to 2.00
Cusins, 1st, per 100	3.00 to 5.00
Cusins, 2d, per 100	2.00 to 3.00
Perles, per 100	1.00 to 2.00
Carnations, per 100	1.00 to 2.00
Carnations, fancy, per 100	3.00 to 5.00
Valley, per 100	1.00 to 2.00
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	4.00 to 6.00
Violets, per 100	20c to 50c
Paper white Narcissus, per 100	2.00 to 2.50
Cattleyas, per 100	20.00 to 30.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 3.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	8.00 to 15.00
Asparagus, per 100	50.00
Purple Lilac	50c to 75c per bunch
White Lilac	1.00 per bunch
Mignonette, fancy	3.00 to 6.00
ordinary	25c to 50c per bunch
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.75 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

Market during past week has been fairly active, on the whole, and everyone seems encouraged. The worst features of the Lenten decline have probably passed, and from now on more stock should move.

Prices have ruled low on everything excepting Brides, carnations (especially white), and smilax. Good smilax is now quite scarce, cause attributable probably to two things—growers having cut earlier to make room for bedding stock, and those not needing the room who are holding for Easter.

There was no especial marked event or flurry, and nothing is looked for to particularly interrupt the even tenor during coming week. The great demand has been for white stuff.

Violets are fairly plentiful and sell readily. Stocks are good in everything. Callas and Harrisii plentiful. Beauties drag somewhat, shorts and mediums having the call. Where, oh where! is the Carnot?

Nice lilac is to be had almost daily, while forget-me-not, pansies, and mignonette of exceptional excellence are quite plentiful.

From inquiries received, indications are that the trade generally is anticipating a large Easter trade. Many (may their tribe increase) are placing orders now. Our prophecy is for Easter: Low prices (for the season) and plenty of good stock.

DIXON, ILL.—Davis & Baird have dissolved partnership. The business will be continued by O. L. Baird.

JOHN I. RAYNOR
FIRST-CLASS
Flowers
IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.
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A List of All Varieties upon Application.
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ROSE HILL NURSERIES,
JUST ARRIVED!
COCOS WEDDELIANA,
$7.50 per 1,000; 5,000 lots, $36.00.
SIEBRECHT & SON, New Rochelle, NewYork.
New York Office, 409 Fifth Avenue.

5,000 Smilax From flats, by mail, 50c per 100, $1 per 1,000; from 2-inch pots, $1.50 per 100, $13 per 1,000; from 3-inch pots, $3 per 100. Send for samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.

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ALWAYS OPEN
Millang & Co.
Wholesale Commission Florists,
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Between Broadway and Sixth Avenue

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WHOLESALE
CUT FLOWERS,
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Original Headquarters for CARNATIONS.

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WHOLESALE FLORIST,
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Consignments of only the best Stock solicited.

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Trees, Shrubs, Vines, Roses, large and small fruits, and a fine collection of perennial plants. Catalogue with prices free on application.
THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

GALAX LEAVES AND... ....LEUCOTHOE SPRAYS
GREEN AND BRONZE
Of all wholesale florists—or write the introducer for free samples and information.
HARLAN P. KELSEY, 1150 Tremont Bldg. Boston, Mass.

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50,000 GERANIUMS

In fine growing condition in 2½-inch pots, ready to shift into 4-inch pots, comprising **best new** and **standard bedding** and **market varieties.**

DOUBLE.

Alph. Ricard
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Pink Perfection
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Rycroft Surprise
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All the above at $3 per 100; $25 per 1,000.
TERMS—Cash with Order.

Address **H. W. BUCKBEE, Rockford, Illinois.**
FOREST CITY GREENHOUSES.

KLONDIKE Gold Fields at Your Door.

COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffeltii and Golden Queen rooted cuttings, $8 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $4.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

Ageratum, dwarf blue, rooted cuttings, $5 per 1000. Fuchias—standard sorts nothing but the best varieties, rooted cuttings, $12 per 1000; $1.50 per 100. Double Petunias, extra fine strain from flats, $1.50 per 100; $12 per 1000. Anthemis Coronaria, Golden Marguerite, $12 per 1000; $1.50 per 100. Salvia Splendens, $1 per 100. Vincas Variegated, $1.50 per 100; $12 per 1000; 2½-in. pots of the same, $2.50 per 100; $20 per 1000; 3-in. pots, $4 per 100. Heliotrope, six varieties, $1 per 100; $9 per 1000. Alternanthera, Paronychioides Major and Aurea Nana, 60c. per 100. Helianthus Multiflora, Double Golden, 2½-in. pots, $3 per 100.

GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

FOR PRICES AND PARTICULARS

Address **Luther Armstrong,**
3720 Olive Street, ST. LOUIS, MO.

GERANIUMS

Rooted cuttings, comprising all the principal colors, mixed, $1.00 per 100. We also have a lot of transplanted cuttings that are nicely started in soil. Persons ordering cuttings can have half their order filled with these while they last. Our cuttings are mostly double varieties. Cash with order.

Money Order Office, **H. B. WEAVER & BRO.**
Lancaster, Pa. Wheatland Mills, Lanc. Co., Pa.

LOOK AT THESE PRICES!

WE OFFER A BARGAIN IN

.....Double.....
Tuberous Rooted BEGONIAS

These bulbs have never before been offered so low. We offer them in separate colors—pink, scarlet and yellow—at only **$6.00 per 100, $50.00 per 1,000.**

SINGLE TUBEROUS-ROOTED BEGONIAS, in separate colors—white, pink, scarlet and yellow, $3 per 100, $25 per 1,000.

GLOXINIA HYBRIDA ERECTA CRASSIFOLIA, finest strain, $1 per 100, $30 per $1,000.

CALADIUM ESCULENTUM, Large bulbs, 6-9 in. in circumference, $3 per 100, $25 per 1,000. Extra-sized bulbs, 9-12 in. in circumference, $6 per 100, $50 per 1,000.

CANNAS, strong dormant roots, leading varieties, $3 per 100, $25 per 1,000.

DAHLIAS, finest named varieties, **Cactus, large-flowering** or **Pompon,** $8 per 100.

TUBEROSE PEARL, $1 per 100, $7.50 per 1,000.

RICHARDIA ALBA MACULATA, $4 per 100, $30 per 1,000.

Send for our large Descriptive Catalogue and Wholesale List. We offer finest assortment of the best new Chrysanthemums, Cannas, Carnations, Dahlias, also a magnificent stock of palms and other decorative plants, Hybrid Perpetual Roses, other hardy plants, etc.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

..Areca Lutescens..

LARGE HEALTHY STOCK

3	Plants,	6-inch	Pot,	24 to 32	inches	high,	very	bushy,	each	$1.00
3	"	7-inch	"	32 to 36	"	"	"	"	"	1.50
3	"	8-inch	"	36 to 38	"	"	"	"	"	2.00
3	"	8-inch	"	42 to 48	"	"	"	"	"	2.50
1	"	10-inch	"	4 to 5	feet	"	"	"	"	5.00

All Measurements from Top of Pot.

JOSEPH HEACOCK, Wyncote, Philadelphia, Pa.

3,000 Geraniums, $50

For 10 days will sell 3,000 Ger. Heteranthe from 2 and 2½-in. pots, ready for 4-in., for **$50.**

CHRYSANTHEMUMS—M. Bonnaffon and Pink Ivory, $18 per 1000.

GEO. A. MEAD,
Maple Grove Greenhouses, SPRINGFIELD, OHIO.

...TUBEROSES...

Dwarf Pearl, 1st size sold out, 2nd size, 100, 40c. 1000, $2.00; 5000, $8.50, guaranteed 1st class stock; Send Cash with Order.

Gulf Coast Nurseries,
Dickinson, Tex.

ST. PAUL, MINN.

Business Conditions.

The Lenten season is upon us, but makes no appreciable difference in the amount of trade. Flowers are more plentiful and of better quality than at any time since the holidays and everything sells well. Wholesale prices have dropped off fully 25 per cent in nearly all lines, but retail rates remain unchanged. The only surplus noted is in violets. Carnations have been and are scarce—the demand being unusually large with a limited supply.

Outlook for Easter.

There is a fair supply of Easter stock in sight, though lilies will not be as plentiful as in former years. Fewer bulbs were planted and the ravages of disease will reduce the number quite materially, so that good stock will be scarce here and prices likely to rule higher than for several years.

We noted a recent lot of Japanese longiflorum at L. L. May & Co.'s in prime condition and just far enough along to be in excellent shape for Easter. If we could only have a late Easter each year we might bid adieu to the diseased Bermuda bulbs and rely entirely on the Japs for our supply.

Notes.

Henry Puvogel is bringing in some of the best violets of the season.

H. H. Schulte's place, on Grand Ave., is closed during the winter.

E. M. Parmelee, of the Allan Seed Co., Picton, Ont., was a recent caller. J. C. Vaughan, of Chicago, and S. Haynes, of Minneapolis, were also recent callers.

L. L. May & Co. report largely increased sales over previous years in their catalogue trade. X. Y. Z.

A JADOO CONSERVATORY.

We have received from the American Jadoo Co., Philadelphia, a handsome colored print of a photograph of a conservatory in which every plant had been grown in Jadoo Fibre and watered with Jadoo Liquid. It is certainly a very effective picture, and the luxuriance of growth and bloom speaks well for the potting material and fertilizer used. A copy of the picture may be had free on application to the American Jadoo Co., 817 Fairmount avenue, Philadelphia, Pa.

NEW CARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $10 per 100.

Send for Price List of Standard Sorts

WM. SWAYNE,

Box 226. Kennett Square, Pa.

Always mention the Florists' Review when writing advertisers.

Carnations

New Carnations---------

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND — DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida
(Cape Jasmin.)
3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.

25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.

Oranges, best sorts grafted, 4-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.

Crotons, 3-in. pots, $10 per 100.

Send for Trade List. Address

P. J. BERCKMANS
AUGUSTA, GA.

INSURE AGAINST FIRE
IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y,
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GERANIUMS,

	Per 100
Bruant, fine 3-inch	$2.75
Mixed Scarlets and Pinks, 3-inch	2.75
Rose, large leaved	2.50
Begonias, best varieties, 4-inch	4.00
Coleus, " " cuttings	.95
Cyperus Alternifolius, 2½-inch	1.50

Stock sure to please. Cash with Order.
GEO. L. MILLER, Newark, Ohio.

Seed Stores and..... Flower Stores
Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.
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Live Sphagnum Moss
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Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

New Carnation Argyle

Scored 91 Points at the Convention of the American Carnation Society.

Spoken of as Grand in every respect. Order at once if you wish to get plants in season to give it a fair trial.

Twenty-five Dollars ($25.00) will be offered for the best 50 blooms at the Chicago show in November.

STOLLERY BROS., - - - Argyle Park, Chicago, Ill.

...BAKER'S...

NEW CARNATIONS

Grown and Tested Five Years.

ONEIDA pure pink, no trace of purple, rust proof, perfectly healthy, good grower, continuous producer, blooms of largest size.

RED JACKET bright red, of largest size, healthy, no rust, continuous producer, long stiff stems, never bursting calyx.

$10.00 Per Hundred.

Orders booked now to be shipped in rotation as fast as rooted.

CHAS. F. BAKER, Utica, N. Y.

Use Economy and Make Your Own Pots

THE COW MANURE POT is the best in the world for young plants. For bedding and sending of plants it is the best thing ever invented. The cow manure forces the plant and makes it healthier. You do not need to disturb the roots in getting them out as you do in the clay pots. It is especially recommended for the sending of plants, as the plant does not have to be taken out of pot. For bedding all you have to do is to squeeze the bottom of pot and set out in bed. It never stays the plant, it holds the moisture better, especially if you have a dry summer. The pots stand watering in greenhouse and hotbed. Every gardener needs one of these machines. **Single machine, 2-in. pots, $4.50. Double machine, 2 and 3-in. pots, $5.** Machine weighs about 5 pounds.

HAROLD ELTZHOLTZ, CENTRAL VALLEY, ORANGE CO., N. Y.

LOOK!!

Petunias, Dreer's Latest Strain in 25 varieties. True to name.
Strong, 2-in., $3 per 100; $25 per 1000. Moonvines, 2-in., $2.50 per 100; $23 per 1000. Moonvines, 2½-in., $4 per 100; $35 per 1000. Mme. Salleroi, 2-in., $3 per 100; $25 per 1000. Mme. Salleroi, very strong. **Cash with order.**

HUMFELD FLORAL CO., Kansas City, Mo.

ROOTED CUTTINGS OF CARNATIONS:

New—Mayor Pingree, Victor and Flora Hill per 100, $5.00; per 1000, $40.00. Jubilee and Emma Wocher, per 100, $3.00; per 1000, $25.00. Meteor and Tidal Wave, per 100, $2.00; per 1000, $15.00. Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50; per 1000, $12.00. All well rooted. Satisfaction guaranteed or money refunded.

Geo. A. Rackham, 880 Van Dyke Av., Detroit, Mich.
Wholesale grower of Carnations and Small Ferns.

SMILAX FINE STRINGS **12 1-2 CENTS**

A. J. BALDWIN, Newark, Ohio.

SIMMONS'

New Light Colored **CARNATION**

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM,
104 South 13th Street, Philadelphia.

FIREFLY!

A Rust-Proof Carnation for Business.

Bright scarlet and Positively RUST PROOF and as productive as Scott. Rooted cuttings, Feb. 15th, $10 per 100, $75 per 1000. Send for descriptive list of Firefly and fifteen other novelties of 1898, as well as fifteen varieties of '97; also older standard varieties.

Geo. Hancock & Son, Grand Haven, Mich.

KNOXVILLE, TENN.

"The rush of business prevented my attending the carnation convention, but thanks to the splendid illustrations of the exhibits there contained in The Review, I feel well compensated for the loss." This, with other eulogistic remarks, were uttered by C. W. Crouch as he piloted me through his carnation houses, where I noted Flora Hill and Scott doing finely. Roses are well grown, especially Beauty, which pays so well that additional houses will be built for their culture. The California violet is the leader, but Princess of Wales promises to be far superior to it. The season has been a good one all around.

C. L. Baum echoed this opinion, and is very sanguine for spring outlook.

W. M.

PLANT FOOD TABLETS.

We have received from Mr. A. H. Ward, Boston, Mass., a package of "Ward's Plant Food Tablets." The tablets are about half an inch in diameter, and are intended for the fertilizing of house plants, the tablet to be buried just under the surface of the soil. The tablet form is certainly a very convenient one and should meet the approval of those who grow house plants.

HOW TO GROW RUBBERS.

In the Boston Globe of Feb. 10 E. B. C. tells us how to do it. Where did he get this remarkable inspiration? He says: "Rubber plants require to be nourished, and if a teaspoon of castor oil is occasionally poured in a little trench made around the stalk and covered with the earth, it will be found very beneficial to the plant."

Lettuce AND OTHER **Vegetable Plants**

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

Pepper and Egg Plants 25c. per 100 $2 per 1000

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

ALTERNANTHERAS R. C. A. Nana, P. Major, R. Nana, 75c per 100, $5 per 1,000.

BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.

GERANIUMS **Bruant,** 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.

CANNAS nicely started, Mme. Crozy. P. Marquant, L. E. Bally. In assortment, 80c per doz., $2.00 per 100.

A. J. BALDWIN, Newark, O.

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M. RICE & CO.

...IMPORTERS AND MANUFACTURERS OF...

Florists' Supplies

CYCAS LEAVES, IMMORTELLES,
WHEAT SHEAVES, our specialty. BASKETS OF ALL KINDS,
"VIOLET HAMPERS" entirely new.

Prices on Application.... 25 N. 4th St., Philadelphia, Pa.

E. G. Hill & Co., Richmond, Ind.

FLORA HILL, $5 per 100, $40 per 1,000.

EVELINA, - - - $10 per 100 ✂
WHITE CLOUD, - $10 per 100 ✂
PSYCHE—flaked white, ✂
PAINTED LADY—red, ✂

TWO GRAND WHITES OF 1898. TRY THEM.
$10 per 100.
Two Fine Commercial Sorts.

Our trade list is issued; if you have not received it, send for a copy. New Cannas, new Geraniums, new Roses; all the new Chrysanthemums of the year.

E. G. HILL & CO.

TRADE MARK

Cablegram

FROM

Yokohama.

"Kaishimeta Teppoyuri."

We received the above cablegram from our Yokohama house, stating that again we control the largest part of Lilum Longiflorum for next season. Prices will be quoted upon arrival of next Japan mail.

SUZUKI & IIDA,

No. 15 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

LILY OF THE VALLEY

Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Verbena Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves. Station X. Chicago.

GERANIUMS OCTOBER STRUCK

	PER 1000
2½-in. pots, best varieties	$25.00
Out of flats, ready for 3-in. pots	12.50
Rooted Cuttings	10.00

Rooted Cuttings of Salvia Splendens and Clara Bedman, Coleus, Ageratums.

WRITE FOR PRICES.

GEO. W. GASKILL, WARREN, OHIO.

Mention the Florists' Review when writing advertisers.

CATALOGUES RECEIVED.

Cottage Gardens, Queens, N. Y., new and standard carnations, cannas, chrysanthemums, geraniums and other florists' stock; Ingleside Floral Co., Alhambra, Cal., California flowers and bulbs; Wm. H. Harrison & Sons, Lebanon Springs, N. Y., ornamental trees, shrubs and herbaceous plants; L. E. Archias & Bro., Carthage, Mo., rural guide and seed catalogue; Wood Bros., Fishkill, N. Y., plants and rooted cuttings; J. Chas. McCullough, Cincinnati, Ohio, seeds, bulbs, plants, implements; Wm. H. Moon Co., Morrisville, Pa., nursery stock; A. Tilton & Son, Cleveland, O., seeds; F. Sander & Co., St. Albans, England, azaleas, araucarias, bay trees, palms, etc.; Kennicott Bros. Co. Chicago, cut flowers and florists' supplies; E. Y. Teas, Irvington, Ind., nursery stock; Schlegel & Fottler, Boston, Mass., seeds, plants bulbs, fertilizers; Ch. Molin, Lyons, France, seeds and plants; Henry Beaulieu, Woodhaven, N. Y., seeds, bulbs, plants and garden supplies; John D. Imlay, Zanesville, Ohio, seeds and plants; Lager & Hurrell, Summit, N. J., orchids; Geo. F. Wheeler, Concord, Mass., choice strawberry plants and other nursery stock; Walter A. Potter & Co., Providence, R. I., seeds, plants, bulbs and garden supplies.

To be issued ....March 24

Our Special Spring Number

Will be the handsomest issue of a Florists' Trade Paper ever published, and will reach every Florist in the United States and Canada.

Ornamental Shrubs,
HERBACEOUS PERENNIALS.
A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application,
JACOB W. MANNING,
The Leading New England Nurseryman. ESTABLISHED 1864. READING, MASS.

F. & F. NURSERIES
SPRINGFIELD, N. J.
New **Fruits** and rare **Ornamentals.** Shade trees, Shrubbery, **Privat**e, Specialties. **100,000 Peach** at lowest prices. Catalogue free. **Agents wanted.**

The New Carnation, Cerise Queen

READ WHAT THOSE THAT ARE GROWING IT HAVE TO SAY:

Mount Greenwood, Ill.
MR. FRED BREITMEYER,
Mt. Clemens, Mich.,
Dear Sir:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted calyx the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing, also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care.
Yours truly, C. W. JOHNSON.

H. DALE, Cut Flower Grower,
Brampton, Ontario.
MESSRS. J. BREITMEYER & SONS,
Mt. Clemens, Mich.,
Gents:—The plants of Cerise Queen which you sent me last spring for trial have done well; the flower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year.
Yours truly, H. DALE.

DAILLEDOUZE BROS.,
Flatbush, Brooklyn, N. Y.
JOHN BREITMEYER & SONS,
Mt. Clemens, Mich.,
Gents:—We have a few plants of your No. 16, Cerise Queen, on trial; the flower is medium size, but fine color, in fact the only fault we find is its dwarf habit; we should like to grow some for side benches, as we believe it far superior to Tidal Wave for that purpose, and should make a commercial variety, but not high priced. Please give us your best price on 1000 rooted cuttings.
Very truly yours,
DAILLEDOUZE BROS.

GEO. A. RACKHAM, Wholesale Grower,
Detroit, Mich.
J. BREITMEYER & SONS,
Mt. Clemens, Mich.,
Dear Sirs:—In reply to yours asking as to my success with your No. 16, Cerise Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.
Yours, GEO. A. RACKHAM.

Copy of a Letter--- My order for 1000 cuttings, which is a big one for my small place, speaks louder than words. W. N. RUDD.

We predict **CERISE QUEEN** is the coming Dark Pink Commercial Carnation.
Orders booked and filled in rotation. Price. $2 per doz.: $10 per 100; $75 per 100 .
MAYOR PINGREE—The best of all yellows. Buy your stock from the Originators.
Our stock is in excellent condition; $5 per 100; $40 per 1000, R. C.
JOHN BREITMEYER & SONS, Corner Gratiot and Miami Avenues, **DETROIT, MICH.**

Brazilian Tonic Plant Food
A GENUINE GUANO. SOMETHING NEW AND WELL TESTED.
PLANT BRAND. A natural fertilizer for Palms, Tropical and Pot Plants; it intensifies color, possesses healthful and invigorating qualities, and is harmless and odorless.
FLOWER BRAND. For Carnations, Roses, Violets and all bench and flowering plants.
A trial will convince you a long felt want is at last supplied.
BRIDGEPORT. CONN.
DEAR SIR:—In reply to your favor of recent date in regard to "Tonic Plant Food" would say that we are well pleased with the results of the sample sent us, and think it is all you claim. Yours respectfully, [Signed] JAMES HORAN & SON.
Write for prices and terms. **F. L. ATKINS,** Agent, SHORT HILLS, N. J.

New White Chrysanthemum Frank Hardy
Facts more eloquent than words C. S. A. awards highest of the year. New York 95 points, Boston 94 points, Chicago 93 points, Philadelphia 89 points. First prize, white in strong competit on at Boston and Philadelphia shows, and certificated wherever shown. The ideal commercial and exhibition bloom. **Price,** 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand. Ready for delivery March 1st, 1898.
A. HERRINGTON, Florham Farms, Madison, N. J.

You will miss it
If you do not stock up with that grand white **Flora Hill,** at $5 per 100; $40 per 1000. Portia, Scott and McGowan, $1 per 100; $8 per 1000. 100,000 ready. Send for list of novelties and other standard sorts.
WM. MURPHY, Sta. F, Cincinnati, O.

SEND ADVS. NOW FOR OUR
SPECIAL SPRING NUMBER
To be Issued March 24.

CARNATIONS....
STRONG ROOTED CUTTINGS
Wm. Scott, McGowan, Rose Queen, $1.25 per 100; $10 per 1000; ready now. Daybreak, Albertini, Jubilee, Della Fox, Annie Lonsdale, and the best varieties of Chrysanthemums, ready March 20th. Cash with order.
D. Y. DANENHOWER,
52nd and Woodland Ave., Philadelphia.

15,000 Rooted Rose Cuttings! Well Rooted Ready Now
Maids and Brides, $1.00 per 100; La France, Meteor, Hermosa, Perle, $1.25 per 100. **Carnations**—Scott, McGowan, $1.00 per 100. Marie Louise Violets, ready April 1st, rooted runners, 60c. per 100; $4.00 per 1000. By mail 10c. extra per 100. Cash with order.
J. J. LAMPERT, Xenia, Ohio.

AMERICAN GROWN TULIPS.

Mr. Jas. Jensen, Supt. of Humboldt Park, Chicago, has presented us with a Belle Alliance tulip in a 4-inch pot, bearing four flowers. The bulb was from a lot grown in the State of Washington and given him to try. The results of the trial have been very satisfactory, the bulbs producing fully as freely as the Holland grown article, though they do not present so handsome an appearance when received, the skin being rough, probably due to being grown in a heavier soil than that of the Holland bulb fields.

NEW CARNATIONS.

Mr. P. H. Therkildson, Ironton, O., sends us blooms of two new carnations that seem very promising. One, named Anna Therkildson, is a pleasing shade of red, very full, three inches across, and borne on a good stem. The other, named Frances Willard, is a trifle larger than the preceding, equally full, very prettily striped with carmine on a white ground. The stem of this variety is also good. Should the habit and productiveness be satisfactory both sorts should prove useful.

FINE VALLEY.

We have received from J. M. McCullough's Sons, Cincinnati, O., two bunches of very fine lily of the valley, which, we are advised, is of the quality cut daily by Mr. Theodore Harcourt, gardener for Mr. Albert McCullough. The valley sent was certainly excellent and would rank with the best produced anywhere in this country.

RATS.

We find chloride of lime in open rat holes a decided quietus. Moisten a little when taken from a new can. The nimble nuisances object to walking through it. J. E. B.



BRANCH WAREHOUSES:
Kearney and Westside Aves., Jersey City, N. J.
Jackson Av. & Pearson St., Long Island City, N. Y.

A LETTER FROM WM. SCOTT REGARDING

GENESEE CARNATION

BUFFALO, February 8, 1898.

DAN'L B. LONG,

DEAR SIR:--You ask for my present impression of carnation Genesee, of which I am growing a bench of 1,200 plants.

Its habit of growth under glass is perfect and needing little support.

In size, purity of color, form and good stem, it leaves little to be desired. A random selected bunch of 25 flowers, picked on the 5th inst. for my retail trade, just as they grew, without any sorting, showed stems averaging 16 inches long, and blooms averaging 2¼ inches diameter. A very valuable feature is that in a hundred flowers there is scarcely one to discard as not up to standard.

Both last year and the present winter, it far outsells any white we have yet handled.

The most sincere result of my impressions is that next winter I shall grow it exclusively, for in my opinion its many and assured good qualities make it a commercial white superior to any that I have yet tried.

I am convinced that this fine white could be lifted with buds well advanced, thus ensuring flowers early in October.

My soil is a dark, sandy loam. One quart of bone flower to one barrow load of soil was used, but no animal manure. Yours very truly, WM. SCOTT.

12-Page Circular Free. DAN'L B. LONG, Sales Agent, Buffalo.

WE HAVE 50,000 STRONG, HEALTHY.. Rooted Cuttings

Fine Carnations Pay
Poor Ones Don't.
You can't grow fine ones from cheap, poor stock.

Notice the report of the meeting of the Indiana Florists, Jan. 20, and see who got most the awards. Cuttings from our "Prize Winners" will grow you the same kind of stock.

Alaska, Scott, McGowan, Albertini, Kellar — $2.00 per 100, $15.00 per 1000
Triumph, Daybreak, Jubilee — $3.00 per 100
Armazindy, $4 per 100
McBurney, Flora Hill, Mayor Pingree — $5.00 per 100

South Park Floral Co., New Castle, Ind.

100,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR. J.L.DILLON, Bloomsburg, Pa.

TREE PAEONIA in only Choice Varieties; strong, 4-year-old plants, 50c. each....

Tree Roses, Snowballs, Hydrangeas, Clematis, Paeonia, Rhododendrons, Azaleas, Magnolias, H. P. and Moss Roses.

L. C. BOBBINK, Rutherford, N. J.

BRANCH OF THE HORTICULTURAL CO., BOSKOOP, HOLLAND.

	Pr 100	Pr 1000
GERANIUMS, 42 Named Var, mostly new,	$1.25	$10.00
SCARLET SAGE, Grandiflora and Bonfire,	1.00	7.50
COLEUS, C. Ver., G. B. and Park Beauty,	.80	6.00
Fancy Leaved, 25 superb varieties,	.75	5.00
ALTERNANTHERA, P. Major-A. Nana,	1.00	7.50
BEGONIA, Vernon and Erfordii, 6 colors,	1.40	12.50
PANSIES, Best Giant and Bugnot, reset,	1.00	6.50
PETUNIA, Single Finest Ruffled Giants,	.75	6.00
VERBENA, Mammoth Select, bright colors,	.50	4.00
Dwf. Ageratums and Heliotrope, B. & W.,	.85	

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DANIEL K. HERR, Lancaster, Pa.

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Potted Roses

And Cuttings of All Kinds.

SAME OF CARNATIONS.

Send 50c. for Samples and Prices.

Fine Smilax in 2-in. pots.
Geraniums in 2 and 3-in. Pots.

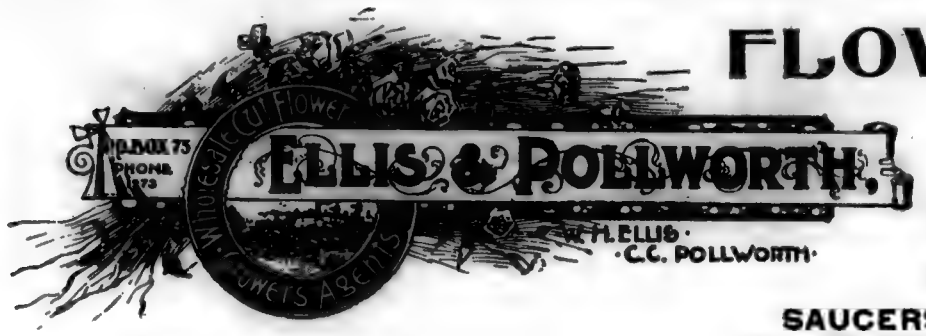
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A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.



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Now is the time to get your Spring supply.

STANDARD POTS

Height and width inside.

	Per 1000		Per 1000		Per 100
2 Inch	$3.50	4 Inch	$ 7.50	9 Inch	$ 7.00
2½ "	4.00	5 "	12.00	10 "	8.75
2½ " 3 in rose	4.50	6 "	19.50	12 "	18.00
3 "	5.00	7 "	43.00	15 "	40.00
3½ "	6.00	8 "	60.00	17 "	60.00

Special Prices on Large Quantity or Car Load Lots.

SAUCERS.

Plain or Fancy Saucers.

4 Inch Saucers, per 100	$0.50	9 Inch Saucers, per 100	$2.50
5 " " "	.75	10 " " "	3.00
6 " " "	1.00	12 " " per doz	.70
7 " " "	1.25	15 " " "	1.50
8 " " "	2.00	17 " " "	2.00

FERN DISHES.

(Earthenware.)

6 Inch Fern Dishes, per 100	$3.00
7 " " " "	3.60
8 " " " "	4.20
10 " " " "	6.00
12 " " " "	8.00

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EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send for Illustrated and Descriptive Price List of Evelina and Other Novelties.

R. WITTERSTAETTER, Sedamsville, O.

Experiences .....WITH Carnations

The next number, ready March 1, will be cultural as well as descriptive, and sent free to all applicants. I guarantee all cuttings sent out, and offer a Special Guarantee to all buyers of.....

Flora Hill and Triumph

ALBERT M. HERR

LANCASTER, PA.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - $2.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

LAGER & HURRELL

Growers and Importers of

ORCHIDS

Correspondence Solicited

SUMMIT, - - N. J.

Roses, Violets, Verbenas

	Per 100
Fine Roses, Teas and Hybrid Teas, best assortment, 2½-in. pots, $2.00; 3-in. pots..	$3.00
California Violets, young plants, fine roots..	1.50
Verbenas, best varieties, finest colors.....	2.00
Calla Lilies, 5 and 6-in. pots, blooming, 1st size	10.00
" " 4 and 5-in. " " 2nd "	8.00

Send us money or good references and say how you want them shipped.

F. WALKER & CO.,

Box 316. New Albany, Ind.

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Carnations Chrysanthemums

New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.

Address

H. WEBER & SONS, Oakland, Md.

EVERGREENS...

Choice Specimens for Lawn Decoration.

Send for Descriptive Catalogue and Trade List.

SAMUEL C. MOON,

MORRISVILLE, - BUCKS CO., PA.

THE BEST FOR ALL Florists

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

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Louisville, Ky.

Our Special Spring Number

To be Issued March 24

Will be the handsomest issue of a Florists' Trade Paper ever published, and will reach every Florist in the United States and Canada.

INDIANAPOLIS.

The Florist Club.

The regular monthly meeting of the Florists' Club was held Tuesday evening, March 1st. The attendance was very good in spite of the bad spell of showery weather prevailing.

The state committee on promotion for this year's chrysanthemum show reported that there would now be no question but that another show would be held. The Commercial Club will appoint a large committee to work with the florists' committee to make this year's exhibition a grand success in every way.

An excellent paper written by Mr. Haugh, of Stuart & Haugh, Anderson, Ind., was read by Mr. Parker, entitled "Observations." Many excellent points were given for every florist to follow, but to live up to all of them would certainly be a hardship to the average worker in soil.

The usual refreshments were served after the meeting, all greatly enjoying themselves.

Notes.

St. Valentine Day was unusually good for the florists and business on this day seems to be increasing from year to year.

Several florists got into difficulties with the Natural Gas Co. for turning on their gas after it had been shut off by the company on account of the severe weather and shortage to private consumers. Very likely it will be shut off for good to these people.

Herman Junge and John Bertermann have been on the sick list, but are now convalescent.

Since Lent business has dropped off considerably and flowers are getting more plentiful.

Mr. Heller, of New Castle, and Mr. E. G. Hill, of Richmond, were in the city a few days ago on business in connection with this year's chrysanthemum show. Another final meeting will be held shortly to arrange details for a grand exhibition. W. B.

LOUISVILLE, KY.

At the regular monthly meeting of the Kentucky Society of Florists, held in the new meeting place in the new Liederkranz Hall, the final arrangements were made for the spring show. This will be held March 29 and 30 and April 1 and 2. Those having new plants or blooms of new carnations to display are requested to send them to this exhibition. Special certificates will be given. For full information address Mr. C. H. Kunzman, 3710 High street, Louisville, Ky. KY.

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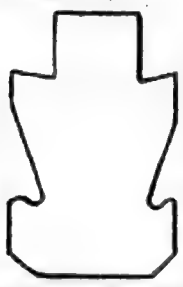
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Horticultural Architect and Builder

Greenhouse Wood-work

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Red Gulf Cypress

Free from Sap.....

Get my Prices on Everything Needful for Erecting or Repairing of Greenhouses.

U SHOULD write me your wants for everything entering into the building, heating or ventilating of greenhouses, as well as Unions for pipes and Universal Joints for ventilating apparatus.

V ENTILATION—I would call special attention to my patent arm.



It is so constructed that it cannot slip when once tightened up by the bolts, and, instead of the old fashioned solid eye, which depends on a single set screw and is continually slipping, we use an open eye fastened by two bolts. There are three grips in the eye, running parallel with the shaft, which, when screwed down by the bolts, binds on the shaft like a pair of pipe tongs and cannot possibly slip, for the more strain put upon it the tighter it will bind.

By using the open eye a broken arm can be very easily replaced, whereas with the solid eye the shaft must be taken down to slip the new arm in place.

Valves also, from the smallest for water pipe to the largest four-inch for heating purposes.

W EATHERED can and will cheerfully help you out of any difficulties you may have in the construction or heating of your houses. Wood I use is of red gulf cypress, free from sap. If you are in want of pipe for water or any other purpose, get my figures.

X CEL I try to in everything, especially in heating, building and ventilating apparatus, but don't forget I can supply you everything except masonry material.

Y S of wrought iron or heavy cast iron for every purpose. Write me your wants and they will receive careful and prompt attention.

Z—I don't keep on stock, but if you want it very badly I will try and get it for you.

Thos. W. Weathered's Son,

141 Centre Street, New York.

..100,000 PALMS..

			Per 100
Areca Lutescens,	4-in. pots,	18 to 20-in.,	$25
Cocos Weddeliana,	3-in. "	6 to 8-in.,	15
Latania Borbonica,	4-in. "	12 to 15-in., 1 to 2 ch. leaves....	15
" "	4-in. pots,	15 to 18-in., 2 to 3 ch. leaves....	20
Phœnix Reclinata,	4-in. pots,	12 to 15-in.,	15
" "	5-in. "	15 to 18-in.,	25

50,000 Amoor Privet, best Hardy Evergreen hedge plant, 2 to 3 feet, $20 per 1000.

20,000 Citrus Trifoliata, best Hardy Defensive hedge plant, 2 years, bushy, $20 per 1000.

Send for Trade List. Address

P. J. BERCKMANS

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PEACOCK'S Prize Winning DAHLIAS.

ALL THE NEWEST AND BEST VARIETIES.

Wm. Agnew, intense red, 7¼ in. across. Clifford W. Bruton, purest yellow, 6¼ in. across. 36 1st prizes. Three dozen. 36 1st prizes.

Largest and Finest Collection in America.

300,000 Field Roots. 1000 Varieties

NOTE.—Our Dahlias have been exhibited in competition with all the leading growers and always carried off first honors.

Our 1898 illustrated descriptive Trade List containing 24 pages, many new illustrations and accurately describing all the newest and best varieties, will be sent to all who received our 1897 list without application.

Send for it before purchasing elsewhere.

W. P. PEACOCK, Atco, N. J.

FOR SALE!

SIX SHARES OF STOCK ...IN THE... American Florist Co.

This stock has sold freely at $100 a share in the past. To close out my interest I offer my remaining six shares at .....

$60 a Share.

Address G. L. GRANT,

520-535 Caxton Bldg., Chicago.

NEW GIANT ESCHSCHOLTZIAS,

"The Golden West,"

50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Venture Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea., Cal.

STANDARD FLOWER POTS..

In any quantity, and of the best quality. Get my price list before ordering elsewhere.

W. H. ERNEST,

Station M, N. E. WASHINGTON, D. C.

AZALEAS FOR EASTER

We are carrying in stock an immense quantity of Azaleas for Easter forcing; the plants are in good condition and finely set with buds; the varieties we offer are only the best commercial sorts. As these plants can be more safely shipped when in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

	Size in Diam.	Per Doz.	Per 100
5-in. pots, nice bushy crowns	10 to 12	$5.00	$40.00
6-in. " " " "	12 to 15	9.00	70.00

...DECORATIVE PLANTS FOR EASTER...

We enumerate below only such varieties and sizes as are especially suited for decorative purposes. For a full line of this class of stock, see our Quarterly Wholesale Price List, issued March 15th.

Standard or Tree-Shaped Bays.

	Each
5 ft. high, crown 15-ins. in diam	$ 2.50
6 ft. " " 36-ins. "	10.00
6½ ft. " " 42-ins. "	12.00
6½ ft. " " 48-ins. "	15.00
7 ft. " " 60-ins. "	40.00

Pyramidal-Shaped Bays.

7 ft. high, 32-ins. diam. at base, tapering to point	10.00
8 ft. high, 36-ins. diam. at base, tapering to point	12.00
8 ft. high, 40-ins. diam. at base, tapering to point	15.00

Conical or Pillar Bays.

9 ft. high, 36-ins. diam. at base, 12-ins. at top,	25.00
8 ft. " 54-ins. " " 30-ins. "	40.00

Standard or Tree-Shaped Box.

7-in. pots, 26 to 28-ins. high, with 12-in. crowns,	1.00

Pyramidal-Shaped Box.

9-in. pots, 32 to 36-ins. high, 15-in. diam. at base, tapering to a point	2.50

Cibotium Schiedei.

Undoubtedly the finest of all Tree Ferns, and while it has a most delicate appearance, stands better than any other. Posesses a grace found in no other plant and used extensively by eastern decorators. Fine plants, 7-in. pots, $2.50 each, 8-in. pots, $3.50 each.

Areca Lutescens.

Inch pots.		Height.	Each.	Doz.
6	Very bushy	28 to 30 ins.	$1.00	$12.00
7	" "	32 to 36 "	1.50	18.00
8	" "	36 to 42 "	2.50	30.00
8	" "	42 to 48 "	3.00	36.00
9	Heavy single plants	48 to 60 "	6.00	

Cocos Weddeliana.

Inch pots.	Height.	Per doz.	Per 100.
3	8 to 10 ins.	$2.50	$20.00
3	10 to 12 "	3.00	25.00
4	15 "	5.00	40.00

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Kentia Belmoreana.

Inch pots.	Leaves.	Height.	Each.	Dozen
4	5 to 6	15 to 18 ins.	$ 0.50	$ 6.00
6	6	24 to 30 "	1.75	21.00
6	6	30 "	2.00	24.00
7	6 to 7	32 to 36 "	2.25	27.00
8	6 to 7	36 to 42 "	4.00	
8	7	42 to 48 "	5.00	
9	6 to 7	48 to 54 "	7.50	
10	6 to 7	54 "	10.00	
12	7 to 8	7 feet	$35.00 to $50.00	
16-in. tubs	8 to 9	9 feet	75.00 to 100.00	

Kentia Belmoreana—Made-up Plants.

7-in. pots, 4 plants in a pot, center plant about 30 ins. high, others about 18 ins. high, $3.50 each.
9-in. pots, 4 plants in a pot, center plant about 36 ins. high, others about 20 ins. high, $5.00 each.
9-in. pots, 4 plants in a pot, center plant about 4 feet high, others about 2 feet high, $10.00 each.

Kentia Forsteriana.

Inch Pots.	Leaves.	Height.	Each.	Dozen
6	6	30 to 36 ins.	$1.50	$18.00
7	6	36 "	2.00	24.00
8	6	42 "	3.50	
9	6	48 "	6.00	
9	6	52 "	7.50	
10	6	60 "	10.00	
13-in. tubs,	7	6 feet	25.00	
12 "	7	6 "	$35 to $50.00	
14 "	7	7 to 8 "	35 to 50.00	
16 "	7	10 "	75 to 100.00	

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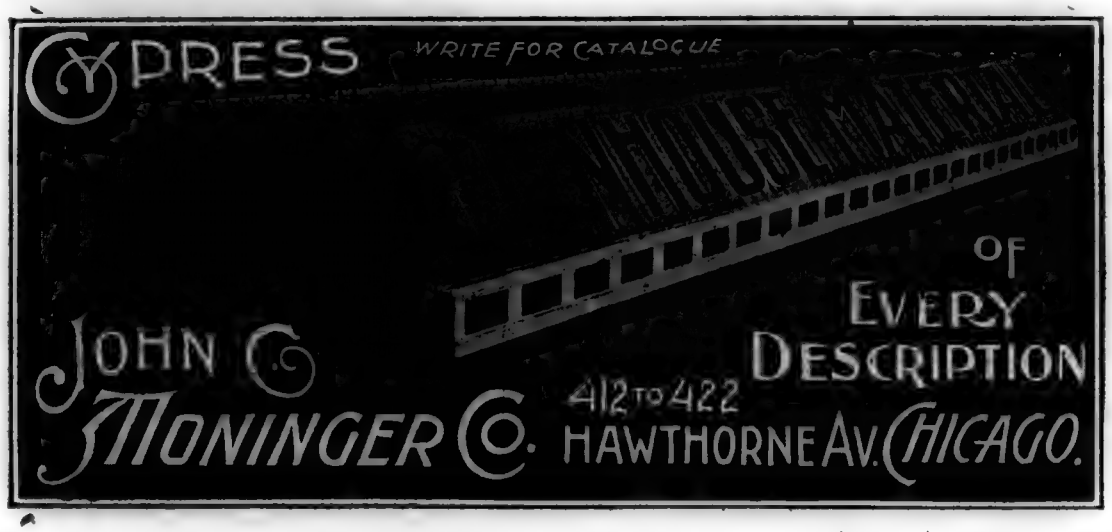
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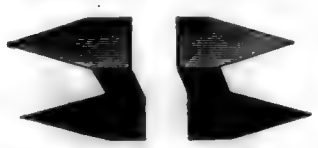
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Florists' Review....

THE WEEKLY
FLORISTS' REVIEW

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FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. 1. CHICAGO AND NEW YORK, MARCH 17, 1898. No. 16.

PEPEROMIAS.

This is a very large genus containing hundreds of species. Those best known and most useful to the florist



Peperomia Saundersii (P. arifolia argyreia).

are P. maculosa, P. marmorata, P. pubifolia and P. Saundersii (often known as P. arifolia argyreia). They are from tropical South America, which stamps them as plants that like heat, but they endure a greenhouse temperature for weeks without any apparent harm. A pan of these beautiful little plants is very attractive and their fleshy, succulent leaves enable them to withstand the dry air of a living room better than the vast majority of our plants.

They need shade in the summer but none in the winter and should never be kept too wet. A lumpy loose soil with a mixture of broken charcoal, or even broken crocks, will suit them well, and a pan three or four inches deep is better for them than a deep pot. The best specimen of P. maculosa I ever saw was growing on a rockwork at the side of the path in a palm house where it received plenty of moisture but no superfluous water at the roots.

They are easily propagated in sand or sandy soil in a bottom heat of 75 degrees, either by the leaf, as you do Begonia Rex, or with an inch or so of the stem attached. Early spring is the best time to propagate.

The flowers of all are inconspicuous; it is the ornamental leaves that make the plant valuable. P. pubifolia is well adapted for a hanging basket. P. maculosa makes a fine subject for a pan, and the beautiful species illustrated herewith makes a compact plant of great beauty. All the species that are desirable for the commercial florist can be said to be of easy culture.

WM. SCOTT.

A VARIETY OF QUESTIONS.

The following comes from "S. S. F.":

"What is the proper temperature and place to keep seeds to preserve the germinating qualities?"

The length of time that seeds will keep their "germinating qualities" under the most favorable conditions varies greatly with the families or orders. For instance, it is generally conceded among seedsmen that parsnip is no good if more than one year old, while cabbage and turnip, the Brassica family, are good for four or five years, and cucumber and squash much longer; in fact, if seed will keep ten years, why not twenty, and if twenty, why not 2,000? In air-tight packages, in a cool but perfectly dry temperature, is the best place to preserve the vitality of seeds.

"Is it advisable to plant chrysanthe-

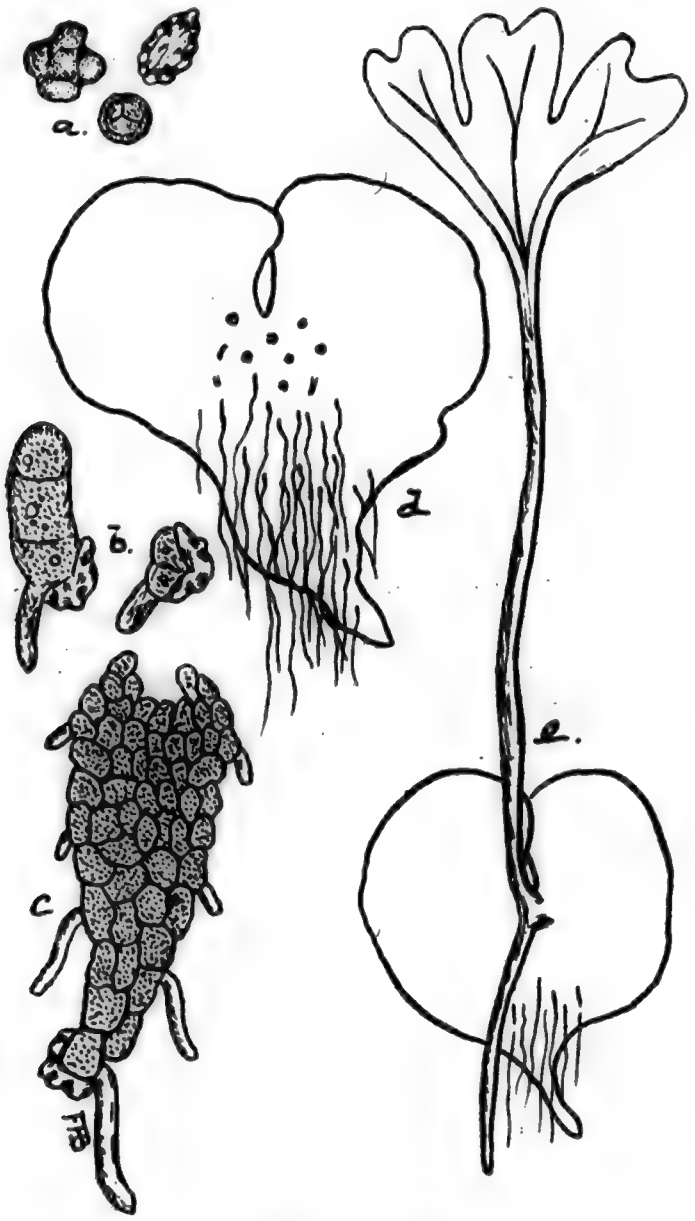
mums in the same soil that carnations have been growing in all winter?"

Scarcely advisable for the very best results, but often done, and if an addition of one-sixth of rotten manure and a pint of bone flour to one bushel of the soil on the bench is added before planting mums, you should produce good flowers, providing it was good soil to start with. The most particular thing would be to see that the soil was in the proper condition when you threw away the carnations and prepared it for the mums. If wet, and you worked it while in a sticky state, you would ruin it for any purpose, and could only be cured by a freezing. See that the bench is dry or fairly dry before you handle it.

"Which is best for growing roses and carnations for cut flowers, the overhead flow pipe system of heating or a pipe under the bench?"

This has been discussed by profound thinkers of the profession for years and at such length that it seems presumption for me at this late date to pass an opinion, but as I am asked the question and have decided views of my own, will say that for carnations neither a pipe above the plants or under the bench is in the right place. On the sides of the house two feet away from the plants is the proper place for the pipes, whether it be steam or hot water. For roses, I would say precisely the same. The man who would build benches against the walls of the house and pipes under them for growing flowers is a back number.

W. S.



Development of Young Fern.

YOUNG FERNS THROUGH A MICROSCOPE.

Every gardener knows full well that ferns start from spores. Upon the underside of the leaves of such ferns as dicksonias, aspidiums and polypodiums, the spore-spots are produced in quite regular order. They look like small heaps of brown powder or perhaps more nearly like the sawdust produced by bark-boring insects. The writer has been asked many times what these brown spots are, and there was often much surprise and occasionally some little doubt when informed that these spots are the "nests" where the ferns rear their young.

With a hand lens these spore spots, called sori by the botanists, consist usually of small bodies that are raised upon short, slender stalks and packed together so closely as to make a tuft. Each of the projecting bodies is a spore case and is shaped somewhat like a tennis racquette with the net work made into a sac. In these sacs the fern spores are produced and escape by the rupture often with some violence thus scattering the spores.

With the above as a preliminary we are ready to consider the spore and note something of its growth into a fern plant. Unlike a seed a spore has no plantlet already formed within the two walls, but instead there is simply a mass of rich substance which is called protoplasm.

Similar to seeds, however, the fern spores require for their growth a good degree of moisture and heat and the presence of the air. Without any one of these three conditions the spore or the seed would fail to develop a plant.

That which takes place in the germination of the fern spore is the taking up of water and the bursting of the thick brown coat and then through the opening thus formed the inner thin wall protrudes and begins to become green. In fact two kinds of cells form, the one set producing a very thin green expansion, smaller than the nail upon a baby's little finger, while at the same time slender cells of a brown color grow downward and serve to fasten the thin green scale to the place of support.

That which is of greatest interest are the organs produced upon the small green scale above described. If we look at a pot of young ferns there is very little to suggest the parent ferns from which the gardener secured the spores. The whole surface of the soil is covered with a green growth more like a liverwort than a fern. A little later on small leaves begin to arise from the green coating upon the soil. If these young leaves are lifted from the mat of seedlings they will each be found attached to a minute kidney-shaped scale. In short the leaf has come from the scale, but not until a process has been gone through, which it is the purpose here to describe.

Upon the underside of each scale, called by the botanist prothallus, there are two sets of organs, which in use are allied to the pistil and stamens found in flowers. The organs that are like stamens produce instead of pollen a number of minute bodies that are provided with swimming organs requiring the high powers of the microscope for seeing them. These antherozoids, as they are termed, pass from the place where they are produced to the female organ, which consists of a cell rich in protoplasm and surrounded by other cells producing a canal leading down from the surface to the cell to be fertilized. The antherozoids pass down this neck and mingling with the protoplasm, cause a new life to develop in and egg-cell as it sometimes is called



View of the Greenhouses of Mr. F. Burki, Bellevue, Pa.

and it afterwards develops into the fern as we see it as an object of beauty in the greenhouse or elsewhere.

From what has been written it is seen that fertilization in ferns takes place when the plants are very small and before they take on the form commonly know as that of ferns. It also follows that any attempts at the formation of crosses or hybrids must deal with the prothallia and while they are young. The element that effects the cross is microscopic and goes from one young prothallus to another through the liquid that is to be found adhering to the underside of the green scales in the seed or rather spore bed. So small are these bodies that it would tax the most delicate hybridizer to make the artificial transfer of the antherozoids.

However, by growing any two kinds of spores that mature their organs of reproduction at the same time it is possible to effect an occasional cross, and at the same time know by the law of exclusion what the parents must be. In other words, if the spores of all other species than the two in question are excluded, and this is not easy to do as they are light as dust and may come in with the currents of air, it is reasonable to consider the union of characteristics of the two species as being due to hybridization.

In the engraving three fern spores are shown at a; the germination of the spores is given at b, while at c the prothallus is being formed. At d is shown a fully grown prothallus with the antheridia and archigonia seen as small dots above the portion where hairs are produced. The young fern plant is shown at e as starting from the scale-like prothallus and after this stage of development is reached there is no hope of crossing or making hybrids.

BYRON D. HALSTED.

Rutgers College.

SWITZERLAND TRANSPLANTED.

Flower-growing among the Alps of Allegheny County, Pa.

Among the most picturesque groups of planthouses in the country are those of Mr. F. Burki, of Bellevue, Pa., a suburban town about five miles from Pittsburg. They are situated on the sides and summit of one of the many water-carved hills, three or four hundred feet high, that overlook that historic waterway the Ohio River.

The houses run in various directions, although the exposures are mostly sunward, are of many styles and sizes, and the hill in some portions is so steep that the visitor feels that he is liable at any time to step off into space. On the grounds are two or three foreign-looking cottages, several oil derricks are still standing in the neighborhood, and this particular Alp is crowned by the fine brick residence of the owner.

There are 29 planthouses (one range does not appear in the illustration, being located on the slope of the hill beyond the stable), and 100,000 feet of glass was used in their construction. They are heated by steam from boilers placed at the base of the long hill, and fifteen men and boys are employed in the work carried on here.

Mr. Burki is a native of Berne, Switzerland, where he learned his first lessons in floriculture, paying for the privilege, is 45 years of age, and, to your reporter at least, was pleasant and communicative.

His holding here contains 16 acres, mostly on edge; and having given up the retail plant trade, he now grows chrysanthemums, carnations, roses, lilies, lily of the valley, etc., which are mainly sold at wholesale in Pittsburg.

W. T. BELL.

SECOND HAND PIPE.

I can get second hand 2-inch pipe for about one-half the price of new, but it is painted. Will the paint act as a non-conductor, or will the new pipe radiate enough better to pay the extra cost? SUBSCRIBER.

I would not advise the use of the sec-

ond hand wrought iron pipe under any circumstances. The life of this kind of pipe is short enough at the best, and the paint on the pipe under consideration will so retard the radiation as to necessitate the use of considerably more pipe to secure the same results as new pipe, and thus raise the cost almost to that of new pipe.

H. W. GIBBONS.

New York.



Horticultural Hall, Audubon Park, New Orleans.

NEW ORLEANS NOTES.

Ushered in with lovely, springlike weather, the carnival of Mardi Gras was a splendid success, the coffers of the florist and decorator coming in for their share of the business, for while the Queen of Flowers is blooming out of doors, the demand for choice stock grown under glass was even greater than in former years. Virgin's Beauties were in big demand, and any other good thing brought good prices. Decorations were on an extensive scale, both Messrs. Virgin and Cook having all they could attend to of the large jobs, while the balance was pretty evenly divided among various members of the craft.

Owing to the mildness of the season, vegetation is far advanced, and while danger of frost is not past, still nothing serious is now looked for. The usual quota of mosquitoes are perchance harbingers of spring. They are pretty busy.

The magnificent palms, for which this city is noted, are in full growth. Beds of pansies and roses are in full bloom. M. Niel, Reine Marie Henrietta and Lamarque vie for honors with the capital stock being grown under glass by Mr. Virgin, who last summer built some rose houses, and has met with decided success in this new line. He will enlarge the place next season.

There are several private collections of choice plants, but really only one public greenhouse in the city, well named the City of Palms. Horticultural Hall is situated in Audubon Park, and is a relic of the exposition of '81. Many of the plants planted at that time are now of great size, and under the care of the untiring and well versed superintendent, Mr. Jules Fonta, whose picture in characteristic pose, together with some views of the park, is presented in this issue. Mr. Fonta is a gardener of the old school, first serving a period in the business in France, from which country he came to this city and embarked in business before the war, at which time 75 cents was paid for a geranium in a 4-inch pot; a heliotrope of same size brought a similar figure. The care of Audubon Park is his first public charge, and the many advances made in the march of improvements testify to the wisdom of his appointment.



Mr. Jules Fonta, Supt. Audubon Park, New Orleans.

I met Mr. J. M. Gasser, of Cleveland, who with his family was taking in the carnival, stopping off en route to the City of Mexico. He expects to be home by April 1.

W. M.

TEA ROSES FOR PROFIT.

[Extract from a paper read before the Chicago Florist Club, March 10, by Mr. Fred Hills.]

To be a successful rose grower one must have confidence in his own judgment. Always willing to take advice from his neighbors and from the trade papers, but carefully weighing it before putting it into practice.

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Every grower aims to get his flowers in when prices are good. In my opinion the best way to do this is to pinch off all buds till about September 20, then leave all shoots that will make fairly good flowers and pinch off the poor ones.

In this way we get quite a number of flowers in October when there is some demand. Through the first two weeks in November we pinch off nearly everything so as to throw the crop well into December. The dull weather we usually get at that time of the year will carry the crop over Christmas. The first two weeks in January, when prices are low, the crop will be light, and will increase with the market till Lent. Again prices are

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We aim to keep a night temperature of 56 to 58 degrees, allowing it to run up to 72 degrees on bright days. Some growers who claim to keep that temperature think it all right to leave their fires until the last minute, and don't mind if the houses drop to 52 or 54 degrees so long as they get them up again. And in the daytime they would not think of moving the ventilators till the temperature had reached 72 degrees, and if it runs up to 80 degrees they put on more air and bring it down again. Good roses can never be grown in that way. Make the range of temperature from 56 degrees to 72 degrees, and on no account allow it to go above or below the extremes named. Start ventilating at 64 degrees and gradually increase until the temperature reaches 72 when give sufficient air to prevent it from going higher. In the afternoon keep taking off the air as the temperature goes down and close up at 64 degrees. I think that any grower who properly attends to the ventilating will be well repaid for his trouble. He will get stiffer stems, better foliage, larger flowers and finer color.

We water according to the condition of the stock, keeping the plants on the soft side, as they then break more freely and give more flowers.

Cutting roses is an important piece of work and should be done only by experienced hands. As soon as possible after they are cut place them in fresh water, and if the ends of the stems have become dry a piece should be cut off so as to open the pores again. If this operation is performed every morning and the flowers placed in fresh water they can be kept three or four days and still improve, providing they are kept in a temperature of not over 50 degrees.



Interior Views, Horticultural Hall, Audubon Park, New Orleans.

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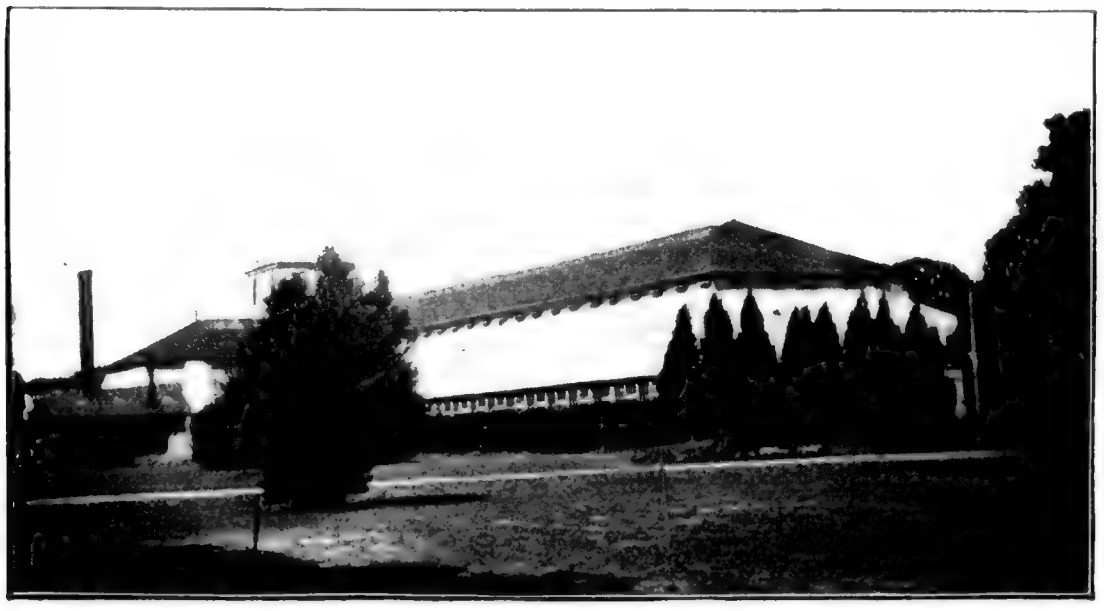
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ond hand wrought iron pipe under any circumstances. The life of this kind of pipe is short enough at the best, and the paint on the pipe under consideration will so retard the radiation as to necessitate the use of considerably more pipe to secure the same results as new pipe, and thus raise the cost almost to that of new pipe.

H. W. GIBBONS.

New York.



Horticultural Hall, Audubon Park, New Orleans.

NEW ORLEANS NOTES.

Ushered in with lovely, springlike weather, the carnival of Mardi Gras was a splendid success, the coffers of the florist and decorator coming in for their share of the business, for while the Queen of Flowers is blooming out of doors, the demand for choice stock grown under glass was even greater than in former years. Virgin's Beauties were in big demand, and any other good thing brought good prices. Decorations were on an extensive scale, both Messrs. Virgin and Cook having all they could attend to of the large jobs, while the balance was pretty evenly divided among various members of the craft.

Owing to the mildness of the season, vegetation is far advanced, and while danger of frost is not past, still nothing serious is now looked for. The usual quota of mosquitoes are perchance harbingers of spring. They are pretty busy.

The magnificent palms, for which this city is noted, are in full growth. Beds of pansies and roses are in full bloom. M. Niel, Reine Marie Henrietta and Lamarque vie for honors with the capital stock being grown under glass by Mr. Virgin, who last summer built some rose houses, and has met with decided success in this new line. He will enlarge the place next season.

There are several private collections of choice plants, but really only one public greenhouse in the city, well named the City of Palms. Horticultural Hall is situated in Audubon Park, and is a relic of the exposition of '81. Many of the plants planted at that time are now of great size, and under the care of the untiring and well versed superintendent, Mr. Jules Fonta, whose picture in characteristic pose, together with some views of the park, is presented in this issue. Mr. Fonta is a gardener of the old school, first serving a period in the business in France, from which country he came to this city and embarked in business before the war, at which time 75 cents was paid for a geranium in a 4-inch pot; a heliotrope of same size brought a similar figure. The care of Audubon Park is his first public charge, and the many advances made in the march of improvements testify to the wisdom of his appointment.



Mr. Jules Fonta, Supt. Audubon Park, New Orleans.

I met Mr. J. M. Gasser, of Cleveland, who with his family was taking in the carnival, stopping off en route to the City of Mexico. He expects to be home by April 1. W. M.

TEA ROSES FOR PROFIT.

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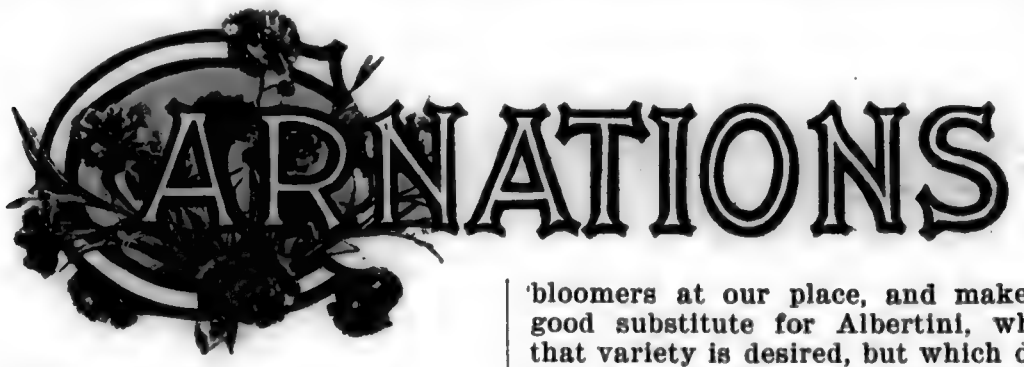
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rapidly now and immense quantities of young stock are to be seen, all in unusually fine condition.

In one thing Bassett & Washburn have been peculiarly fortunate. They have never had any rose diseases to contend with. Mr. Bassett says he knows nothing about them from personal observation and adds that he hopes he never will.



NEW VARIETIES OF 1897.

Of pink varieties there were six that made their debut this past season, five of light shades and one a dark pink; Mrs. McBurney, Mrs. C. H. Duhme, C. A. Dana, Emma Wocher, Victor and Sloan, all meritorious and worthy of cultivation, but not of the value of Mrs. G. M. Bradt or Flora Hill. They will never be universally grown, as many other varietites, but will find preference in special localities. Owing to their inferiority and large number of much the same color, none of these varieties found a very large dissemination and are in some sections yet unknown.

If all the young stock was of the same quality as mine, those who are growing McBurney must have been agreeably surprised, for there was not much assurance of it being a healthy grower. Of a pale green color looking soft and full of bacteria I felt more inclined to throw them away than to give them benchroom. But conditions have changed very much; they made fair sized plants by fall, and have bloomed uninterruptedly, giving a fair crop of large blooms on good strong stems. The form of the flower is rather flat which may be considered a defect by many. The color is a pleasing light salmon pink and would be more decided if of greater purity, for by a close examination we find it very finely sprinkled or sanded with crimson. This will not detract from its general effect but by looking at it closely it is painfully observant. I have noticed this defect, if it may be called so, more in the early part of the season and now it begins to appear again. The flowers shown at the Chicago exhibition were fine blooms of large size and on strong stems. The habit is good. Foliage seems rather soft, of that undesirable pale green color and is very susceptible to bacteriosis, but under good treatment the plants will, in a short while, outgrow that disease. I believe this variety has not been very widely disseminated, and I will be wrong in my conjectures, if we do not hear more regarding it in the future.

Mrs. C. H. Duhme, much of the color of Albertini, is one of the earliest bloomers at our place, and makes a good substitute for Albertini, where that variety is desired, but which does not give satisfactory results on account of it being a late bloomer. We have grown it for the last five years, and it has given immense satisfaction in our retail trade, giving us nearly as many flowers as Scott, and more than twice the number of Albertini. It is not a first class shipper, and does not quite possess an up-to-date stem, but its merits consist in it being an early, free and continuous bloomer, its large flower of pleasing form and color, which make it a valuable variety for the florist who retails his own flowers, and depends on his own plants for a daily supply. We depend wholly on this variety for light pinks in our home trade. Growth is strong and habit very good. This variety is rather sensitive as to being kept too dry or wet, showing it quickly in the drying up of the points of the leaves. This I have found particularly when the bottom of the bench becomes too dry. It is a slow propagator, taking a longer time to root than most other varieties. It has always been a healthy grower with us and responds nicely to a liberal feeding.

C. A. Dana originated with us in 1892, being a cross between Uncle John and Scott, and sent out by C. W. Ward, Queens, New York. Desirable in every way, with the exception that the flowers were rather small I discarded it, but the stock sent to Mr. Ward improved very much, and as developed by him justified a dissemination. This variety is admired by many for its clear pink color and smooth petals, being only slightly fringed, more closely resembling the style admired in England. The stock sent us by Mr. Ward shows a very marked improvement over the original. It retains the free blooming qualities of its parents, the flowers much larger, of better form and stronger stem, making it a very desirable variety. This gives an example as to how a variety may improve in another locality.

Emma Wocher made quite a sensation at the Cincinnati exhibition, but is very little seen or heard of now. The plants we received were badly infected with rust. We tried to clean them and succeeded in so far that we have comparatively clean plants now. Our plants made a good growth and present a fine appearance, showing a healthy color; flower stems excellent; flowers a fine light pink color but only of medium size and at the same time not very full, often semi-double. This variety was reported as extremely free, which I believe correct, as the habit tends that way. Our plants bloom rather late, but for the same reason that all our carnations were late.

I believe Victor, the celebrated sport of Daybreak, has been more widely disseminated than any other of the pink varieties mentioned above, and gives general satisfaction. The color is several shades darker than Daybreak, a desirable acquisition but still remains in the range of the light pinks. It is claimed for it that it possesses more vigor in every respect than the parent variety. As our plants show up I cannot sustain this opinion for I see no difference except that of color, which is very decided. It is often the case that a new variety receives a little more care and attention, and this may account for a better appearance. At our place the choicest seedlings and the oldest varieties receive the same care, and our Daybreaks are still as good as they were years ago. So it is no disparagement to this sport when I say it is as good as its parent. It shares in the susceptibility to rust with its parent and the stock we received was very badly rusted. Daybreak has never shown any rust at our place, and I may succeed in seeing this variety clean also.

Sloan makes with us a good growth. The plant has a fine appearance, flower stems up-to-date, color a deep b ight pink, but the flowers have so far been of poor quality, lacking in substance, and showing that curling, incurving habit that makes them unsalable.

I will close my notes on the new varieties of 1897 with the variegated varieties Lily Dean and Maud Dean. Lily Dean is a beauty of large size and exquisite form and coloring, white with stripes and edging of a very pleasing shade of red. It lacks in stem and appears with us a little shy. We shall grow it again, as our trial of this beautiful variety has not been quite satisfactory this year.

Maud Dean appears with us worthless, as we have not as yet had any good flowers, but this will not prove that it will not be of value in other sections, as I have heard from several places where it is liked very much.

FRED. DORNER.

CARNATIONS AT HINSDALE.

While roses are the great specialty at the establishment of Messrs. Bassett & Washburn, Hinsdale, Ill., they grow an acre or so of carnations, just for variety's sake, so they say. Here Daybreak is seen in all its old time glory. But the new Mrs. McBurney gives promise of eclipsing it. Jubilee is, alas, badly infested with rust. In

spite of the rust some splendid flowers are produced but the blooms are not frequent enough to make the variety profitable here. Mrs. Bradt is considered the most profitable variety on the place. The blooms are certainly grand and have stems amply strong enough to carry the flower. In fact the stems on these flowers seem even stronger than on blooms grown by Mr. Dorner. They find sale for all the flowers they can cut at $8 per 100.

Flora Hill is doing grandly, but Mr. Bassett believes that Mary Wood, one of Mr. Dorner's seedlings, will excel it at their place. Mary Wood is a white, which shows pink in the petals when first expanded, but later turns to pure white. The flowers are very large, freely produced, with good stem, and certainly make a splendid showing here. Mayor Pingree produces some splendid blooms, but seems rather shy in blooming. Scott no longer does well here and is about to be discarded. Rose Queen and Minnie Cook were tried this season but didn't pan out. Triumph also failed to do well. Lily Dean and Maud Dean had a moderate share of space. The former made a very good impression but no place is seen for the latter.

The young carnation plants here are planted out in the benches instead of in flats or pots. Mr. Bassett says he has much better success with them in this way.

As to varieties to grow for next year Mr. Bassett says they will confine themselves to the fancy varieties that will bring a good price, and will let some one else grow the common sorts.



CHRYSANTHEMUM NOTES.

Just at this time, when all the flotsam and jetsam of plant life that has been drifting round the houses all winter is being rounded up and propagated for spring sales, it is well to remember to leave lots of room for the "mum" cuttings. Overcrowding them in the cutting bench saps the vitality out of them, weakens them and renders them susceptible to anything that comes along. Also be careful what cuttings you select for propagating. The suckers that come up out of the ground around the old stem are the best and as useful to the mum grower as the sucker of another species is to the bunco steerer. The shoots that form on the old stem, stem cuttings as they are usually termed, are of little use because they begin to throw buds as soon as they get to growing. Just as soon as the tip of the cutting begins to grow it will be found that the roots are about an inch long and they should be at once taken up and put into flats or pots. When cuttings are left too long in the sand after rooting they invariably make a spindly, wiry tip which never gets to growing freely and the object to aim at above all things is to keep your plants on the move right from the cutting bench till the flower is developed. Whoso doeth this thing will never fail.

All the cuttings it is possible to get of the slow growing kinds, like Mrs. Jerome Jones or Major Bonnaffon, should be put in this month. They do not make such a quick growth as the others and consequently take longer to develop. We have had some very fine flowers of Bonnaffon with a stem of only about 9 inches, but such a flower has hardly stem enough to sell well. Rooted now and grown right along Bonnaffon will give a stem two to three feet in length. Mrs. Jerome Jones also is mighty slow and this variety must be given lots of time, for if you attempt to rush it the flower is deficient in petals and mighty insignificant compared with what it should be.

If you are growing any plants for specimens they should be watched and potted on from 2½ to 5-inch pots as soon as they are ready. Never let them become rootbound, as such treatment only means a check. Use in potting good fibry loam mixed with a little wood ashes or burnt refuse, which will put a healthy gloss and dark color on the foliage. The top should be pinched out as soon as the plants are growing good and the object from now on should be to encourage the plant to make as many "breaks" as possible.

Black fly should be fought right from the first and the best means we have found to accomplish this is to burn tobacco dust in the house. We make four or five heaps in a house 100 feet long and light it by means of a little kerosene poured on top of the heap. It is better to have a few large heaps than a dozen small ones because the idea is to keep up a little smoke nearly all night which is much more effective and not so likely to injure any foliage as filling the house quickly with a dense smoke as is done in the old way by the use of tobacco stems.

The weather is beginning to get springlike, and artificial heat should be dispensed with as much as possible now. Give all the air you can in mild weather to keep the young plants sturdy and vigorous. C. TOTTY.

BUFFALO.

Reunion of Florists' Club.

There have been some events this past week that are worth mentioning, chief among which was the annual reunion of the Buffalo Florists' Club. The club has been simply hibernating for the past year, not dead but sleeping, and this has been through no fault of their officers, but a lack of interest by the members. First there was a short business meeting at which it was decided we should hold a fall exhibition; with or without the co-opera-



Giant Live Oak in Audubon Park, New Orleans.

tion of any society or charity organization was left to a committee to decide. The president, L. A. Anderson, insisted on declining a re-election and the members insisted on electing Wm. Scott to that high office. The rest of the officers hold over. With the view of a show in the fall and recuperation that a long rest should give, many rosy words of hope were expressed and it is needless to say that the president promised his level best to revive new interest, and work for general prosperity.

Then they adjourned to a spacious room where the first speaker was blue points on the half-shell and the last course was "Auld Lang Syne," also on the half-shell for the beautiful tenor who led the solo part had forgotten the words. There were several other things between the bivalves and bassos which appeared and disappeared without a struggle after the fashion of the well trained florists. There was a goodly number of our friends from adjoining towns, including Mr. Henry Niemeyer of Erie, Pa.; Messrs. Stroh of Attica; Thomas and William Mansfield of Lockport; F. B. and F. W. Lewis also of the lock city; Henry Wise of East Aurora; Mr. Burr of Harmon & Burr, Darien; Mr. Smiley of Attica; Mr. Morgan of Auburn; Mr. Larder of Fredonia; Mr. Sage of Red Rock, Pa.; Mr. Beatus of paper-box fame, and if there were other visitors, I trust they will forgive the omission of their names for it is entirely unintentional. Upwards of forty of us sat down to what turned out to be one of the most pleasant social gatherings in the history of our club. Decorations were lavish as they usually are when florists are interested, chief among which were several vases of magnificent roses sent by Mr. Peter Crowe of Utica. Large and grandly stemmed as these roses were, they were hardly appreciated as would have been the massive and finely colored proportions of Peter himself. Between the responses to the toasts songs were sung by Mr. Noonan, a tenor of rare purity, and Mr. Steve Rebstock, whose rich bass voice adapts itself to the comic as well as sentimental.

Your columns would not hold any comment on all the responses. W. S. was early installed as toastmaster and before adjournment had every one on their feet. The toasts were of a varied nature and one was not supposed to stick over close to the text. Mr. Anderson reviewed the late work of the club. Mr. Long spoke sensibly and earnestly on the club and its mission. Mr. Sage responded to "Natural Gas." Mr. T. Mansfield told how water flowed up hill and his son had the easier task of explaining why it went down hill. W. A. Adams supported the ladies in fine style, and L. H. Newbeck responded to "Diseases" particularly affecting lilies. He covered the ground well and thought too much water in the early stages of growth was partly the cause of our losing many lilies. Mr. Legg, our worthy secretary, answered to our Faithful Members most earnestly and ably. And then Mr. Max "Beatus" answered the toast Dreams of the Dreadful Drummer, followed immediately by Fred B. Lewis on Connivers in the Business. Mr. Niemeyer spoke eloquently of our New Prosperity. Mr. Kasting had, of course, to defend the Commission Man, which he did in his usual bright and witty way; and there were short talks from every one, including a very witty speech from Mr. C. Keitsch. His toast was the New American Beauty. He told us all about it and concluded a most amusing talk by telling us that it was a girl and she was almost 5 weeks old.

Mr. Long had gathered together a good array of most of the carnations offered this year and the visitors were much impressed with the fine appearance of Genesee. The absentees were few and insignificant, still they should have been there. Walter Mott and Dan McRory only missed it by 24 hours. Dan looks very rugged and very stout, evidently fattening on the rich orders he has taken on his western trip. To our great regret Prof. Cowell had to take an early train and left before the fun began.

A Remarkable Coincidence.

The past ten days will long be remembered as the most pleasant, even balmy, spell of weather ever known in the first days of March, and to that partially must be attributed the coincidence of which I beg a small space to relate. Tuesday, March 8th, beamed on us as a day in June. At about 10 a. m. were seen "poor Lo" with his basket of sassafras, a robin and a blue bird and the first Dutch bulb drummer of the season. This is about three weeks in advance of any season on record, particularly for the last mentioned. Our feathered favorites stayed but a few moments, just alighting on the highest twig of an apple tree and piping out in their lately acquired southern accent "Mornin', Bill," and then winged their tireless flight across Ontario's waters to the fields and orchards of the northern shores. Not so with the new arrival from Holland. He stopped to pick up a few incautious worms, whet his beak and tell a story. All readers of the newspapers will remember that a little more than a month ago the news flashed over the wires, or at least before our eyes, that the good ship Veendam of the Rotterdam line was lost in mid ocean and every soul saved by the American liner St. Louis. Mr. G. Krowell was one of the rescued. Mr. K is a very young man with plenty of animal spirits and aggressiveness, but when relating his experience, and it may be called impressions, for that's the sort of thing that does impress, you can see he is still thinking of his mother or perhaps a fair Holland lass, and perhaps his sins. On Tuesday evening, Feb. 6, a hole was knocked in the bottom of the Veendam (no suspicion that it was a Spanish mine or torpedo); at midnight her rescue by the St. Louis began, and in nine hours the three or four hundred of the Veendam were safely aboard the big ship, and each passenger had what he or she was enveloped in and no more. There is not a comfortable gang plank put from one ship to another. Oh, no, in a heavy sea it is an ordeal that only stout hearts will volunteer to face, and weak ones must or perish; first the women, then the other passengers and last the crew, and last man of all in this case the captain. "What," said he, "have you got there?" as Kaiser Kroon Von Kronwell placed himself in position to have the rope adjusted beneath his arms, preparatory to be let down into the tiny boat. "My papers, my catalogues that I do business with when I get to America." It was not an over large grip, but the captain sternly said, "If you value them highly you had better stay with them or get into the boat without them." I can swear that Mr. K did not stay with his baggage, but it perished in flames, as did the whole ship, that it may not bring disaster to another as some submerged wreck had so cruelly fouled the good Dutch ship. There is no moral to this tale only we infer from the quantity of Dutchmen who get here that few lives are lost on this line. Their literature we can dispense with and even if it is getting much colder.

W. S.

CLEVELAND.

Trade Fair.

Business on the whole has fallen off slightly from previous reports, but, considering the fact that we are now fairly into Lent, is not very bad. The quality of stock in all lines is very good and prices are somewhat off from former quotations in most lines although up to the time of this writing there has been no glut to utterly demoralize prices. Whether, with the steadily increasing supply, not only locally, but also in outside cities that ship here, this condition of affairs can be long maintained, is somewhat problematical. Let us, however, hope for the best.

Outlook for Easter.

In going through many establishments lately, a few observations regarding the outlook for Easter stock were made. There does not appear to be much stuff coming in for that occasion, that will be different from other seasons. Novelties of merit do not often appear nowadays and the trade here at least is very shy of experiments, a few valuable lessons having been taken to heart apparently from earlier disastrous experiments.

In pot plants azaleas appear to hold the highest place in everybody's estimation and the likelihood is that there will be an ample stock for all demand.



Corner in Cut-Flower Department.



Supply Department.

GLIMPSES OF THE WHOLESALE STORE OF VAUGHAN, McKELLAR & WINTERSON, CHICAGO.

Some lots, however, should the weather remain bright and warm, will probably be too early. Cinerarias, under normal weather conditions, will be in good shape although with some they show the same tendency as the azaleas. Lilies are somewhat uncertain. Many growers, owing to the heavy inroads of the lily disease, have a much smaller stock than in former seasons, and in some cases, what are to be seen, show evidences of serious trouble still to come in the way of crippled flowers. Other lots will need every day in order to be in soon enough and the weather will have to be very favorable even at that. With the variety of other stock and with fairly favorable weather there will be enough to answer requirements unless business should be phenomenally good.

Hydrangeas will in many instances be too late, or at least while they may sell, will be much too soft to give good satisfaction. A few lots look about right, but not many. Genistas, mostly in the smaller sizes, will be about the best stock offered in yellow flowers, though their tendency to shed makes them often unsatisfactory. Rhododendrons, spiraeas, deutzias, hardy roses and other similar stock will be offered to supply the demand for variety and seem to be in good supply and quality. Bulbous stock in pots and pans will of course be offered, apparently in about the usual quantity by various growers. In a few instances there will not be so much of this stock as in former years.

In cut flowers, so much depends directly upon weather conditions that it is not possible to say much, although there is little doubt that in roses and carnations there will be no shortage. It is possible that there may not be a very heavy crop of the latter as they stand now in such condition that they may be between two crops at that time. Should the weather be extremely favorable, it might hurry up the coming crop sufficiently to bring it in by Easter, but in any case the variety of stock offered at that time makes a shortage in one or two things of comparatively slight importance.

The weather has been steadily warm for a considerable time now and all stock is showing a vast improvement by reason thereof. Outside the trees and shrubs are beginning to swell their buds to a rather risky extent should a belated cold snap swoop down upon us a little later. There is, however, no use in borrowing trouble on that score just now. Florists have plenty of others to pick from.

Notes.

Miss Eadie has returned from her Florida trip and reports a very pleasant time.

Mr. McRory, representing W. A. Manda and Jos. Rolker, of A. Rolker & Sons, have been recent visitors. Mr. Van Leuwen, of Beerhorst & Van Leuwen, Holland bulb growers, also dropped in lately fresh from the other side.

Mr. C. H. Cushman and Mr. Adam Graham left town Monday afternoon to attend the Washington meeting of the executive committee of the S. A. F. Messrs. Elmer Smith, of Adrian and W. W. Coles, of Kokomo, also passed through en route for the same destination. NEMO.

ST. LOUIS.

Annual Carnation Meeting.

The March meeting of the Florists' Club was well attended on Thursday the 10th, this being our annual carnation meeting. The following growers made exhibits: Fred Dorner & Sons Co., Lafayette, Ind.; William Swayne, Kennett Square, Pa.; Hopp & Lemke, Grand Rapids, Mich.; Stollery Bros., Chicago; C. Besold, Mineola, N. Y.; Miss Flick, Fort Wayne, Ind.; R. Witterstaetter, Sedamsville, Ohio; John Burton, Philadelphia; J. F. Ammann, Edwardsville, Ill.; E. W. Guy and William Trillow, Belleville, Ill; John Steidle, St. Louis Co.; F. W. Ude and F. Richter, Kirkwood; Henry Aue, Lindenwood, Mo.; Frank Fillmore, St. Louis.

The meeting opened at 3 p. m. sharp, with all the officers at their stations. The chrysanthemum show committee reported progress, and are now in negotiation with the manager of the Coliseum for terms. Messrs. E. A.

Michel, F. H. Weber and W. Hucke were elected to membership. The president then appointed the following committee, W. C. Young, J. J. Beneke, R. F. Tesson and Secretary Schray, to negotiate with eastern florists' clubs to join us next August to attend the S. A. F. A. O. H. meeting at Omaha. The committee was instructed to begin work at once, as they only have four meetings in which to do their work before the annual meeting.

An intermission of ten minutes was called to look into the merits of the carnations on exhibition. The president appointed a committee of three to act as judges, as follows: Wm. Trillow, Frank Fillmore and J. J. Beneke. After ten minutes the meeting was called to order and the report of the committee was made, as follows:

Report of Exhibition Committee.

Fred Dorner's Gold Nugget, a grand flower, very fine yellow, and worthy of certificate; White Cloud, same grower, very good white, also worthy of a certificate; Wm. Swayne's Empress as a dark carnation was considered perfect, and worthy of certificate, the stems of this carnation averaging 3 feet; Chris Besold's Mrs. Frances Joost, flowers a little faded from its long trip, was regarded a fine pink, and worthy of certificate; John Burton's Alba Superba, a magnificent white, came in good condition, and was worthy of certificate; Hopp & Lemke's Kathleen Pantlind, a very attractive flower, almost the color of Daybreak, but more robust, was awarded a certificate. A fine grown plant of Kathleen Pantlind was also on exhibition, with fourteen buds, and attracted a great deal of attention. A large vase of Mrs. Bradt from Dorner's was greatly admired, and acknowledged the best seen of this variety.

R. Witterstaetter's exhibit consisted of a large vase of magnificent blooms of Evelina. This carnation is a great favorite with the St. Louis florists. Stollery Bros'. Argyle, a fine pink, came in for its share of admiration. The above two varieties already have the club's certificate.

The committee wishes to call attention to a vase of fourteen varieties grown by William Trillow (St. Clair Floral Co.), Bellville; a vase of good Daybreak and Scott by J. F. Ammann, of Edwardsville, Ill., and a vase of fifty finely grown Daybreaks by Miss Flick, of Fort Wayne, Ind. Henry Aue showed a vase of very fine mixed carnations. John Steidle exhibited three fine vases of well grown carnations. In one vase Mr. Steidle showed his sport from Daybreak, which the committee thinks is something good. E. W. Guy, of Belleville, had a large vase of fine Armazindy. Mr. Guy reports that this variety is doing well with him. F. W. Ude, Jr., and F. Richter, of Kirkwood, each showed a vase of good mixed carnations, and Frank Fillmore was also on hand with a mixed bunch which showed up well.

Fred Dorner, Jr., of Lafayette, Ind.; A Berdan, Kirkwood, and Charles Young, were our visitors. The Florists' Review was on file as usual for reference. The next meeting of the club, April 14, will be its annual rose show. John W. Kunz, the club auctioneer, sold the blooms on exhibition to the highest bidder. After this the meeting adjourned and a general introduction followed.

Observations.

F. W. Ude, Jr., was the proudest man in the hall after having become the sole owner of Kathleen Pantlind.

Chas. Juengel was very much taken with the Empress.

Frank Fillmore thinks Evelina the grandest of all whites.

Fred Weber walked off with Frances Joost as though he won a capital prize.

Emil Schray had his eye on the Gold Nugget, and was afterward seen with them on his way home.

Herman and Gus Ude had their heads together admiring Alba Superba and White Cloud.

John W. Kunz fell in love with Mrs. Bradt. She was seen in his show window later on.

President Halstedt was seen to admire John Steidle's sport from Daybreak. Doc thinks John has a good one, and should push it.

Max Herzog says that Miss Flick knows how to grow Daybreaks.

E. W. Guy is a great admirer of Armazindy, and Everett knows a good thing when he sees it.

Charlie Kuehn didn't say much, but thought his share. Charlie is a great admirer of fine carnations.

Fred Dorner, Jr., was the center of attraction, explaining the merits of his carnations.

Willie Jordan was on hand and helped Kunz wonderfully well in buying Evelina and Mrs. Bradt at a good round figure.

Bob Tesson thinks Argyle a good pink for the retailers to handle.

Julius Koenig, Jr., had a Bradt of his own, but when he saw Dorner's he shook his head.

Frank Ellis had an eye on Aue's mixed vase, especially Eldorado, which Frank thinks is a beauty.

Visitors in town were Mr. and Mrs. Unverzagt, of Springfield, Ill.; Meyer Heller, New Castle, Ind.; Fred Dorner, Jr., Lafayette, Ind.; Joe Rolker, New York, and Jos. Heinl, Jacksonville, Ill.

Market Review.

Trade in the cut flower line the past week slackened up somewhat and the long expected glut has arrived at last. Everything is plentiful now—even a few fine Beauties can now be had. Carnations are on equal par with bulbous stock and violets. Roses of all kinds can be bought cheap, but there seems to be very little demand. The commission houses are now looking for your trade. A week or so past we were looking for them, and should this state of affairs keep up the wholesalers will be fighting each other to see who can sell the cheapest. Roses of all kinds can be bought very cheap, and only the very choicest stock bring $4 and $5; the others sold at $1 and $2 per 100. Carnations are a great glut, and the price has gone down as low as $1 and $2 for the very best—more Daybreaks and Scotts than any others. Harrisii have dropped to $6 and $8; callas the same price. Dutch hyacinths are sold at $2 and $4. Daffodils meet with very little demand at $2; valley fair at $3. Violets of all kinds are being dumped every day and have little or no value at present. Sweet peas are very fine and are about the only flower in demand, and are held up at $2. Smilax is sold at $12.50 and $15.

Notes.

The Mound City Cut Flower Co., doing business at 1322 Pine street, made an assignment last week Wednesday for the benefit of its creditors. Jos. H. Barr is named as trustee.

George M. Kellogg, Pleasant Hill, Mo., spent Sunday in St. Louis. Mr. K. is on his way to attend the executive meeting of the S. A. F. A. O. H., to be held at Washington, D. C.

The Bowlers had a fine night Monday to bowl, but the attendance was not so good as usual and will not be from now on until after the spring trade is over. E. Schray was high man in the three games rolled, with 577; Helwig, second, with 496; Fillmore, third with 495. The highest single score was by Helwig, with 216; Fillmore, second with 209; Schray, third with 197. Next Monday night we roll for a cake. J. J. B.

CINCINNATI.

Florists' Society.

The regular meeting of the Cincinnati Florists' Society was held last Saturday evening. Although the weather was unfavorable the meeting was well attended and full of interest. The next regular meeting will be held on the third Saturday of April instead of the second, on account of Easter falling on the tenth of the month. It was decided to give a banquet at the club rooms about the middle of May to which the ladies will be invited. E. G. Gillett was appointed a committee of one to make the necessary arrangements.

Steps have been taken to form an auxiliary society for the benefit of the growers, it being thought that considerable money could be saved by so doing, especially in buying glass, coal, etc., as lower prices could be obtained by clubbing together and ordering large quantities. The boys all think well of the idea and it is sure to be a go. Wm Murphy, Albert Sunderbruch and Gus. Adrian were appointed a committee to complete arrangements.

Exhibition.

The exhibition of plants and cut flowers proved to be the most successful one given by the society this sea-

son. Not only are these exhibitions of interest to the craft, but the flower-loving public as well take advantage of the opportunity afforded them of admiring the choice collection of beautiful flowers.

F. Dorner & Sons, of Lafayette, Ind., showed Mrs. Geo. M. Bradt and White Cloud carnations both of which were well done. Messrs. George & Allen made a display of roses and bulbous stock. They also had a few choice varieties of fern plants interspersed with the cut flowers which made their exhibit an admirable one.

E. G. Hill & Co., of Richmond, Ind., had a few vases of choice carnations. The City Greenhouses made a general display of plants and cut flowers. Their azaleas and cyclamen were fine and deserve special mention. Fred Walz staged some seedling cannas which proved quite an attraction. Mr. Walz has quite a collection of these plants and knows how to grow them to perfection. Wm. Robertson, gardener for Mr. Schmeidlapp, showed some nice mushrooms and cucumbers, the latter measuring twelve inches in length.

Stollery Bros. sent a vase of their Argyle carnations which came in good condition. Wm. Murphy had on exhibition twelve standard varieties of carnations which made a good showing. A. Sunderbruchs Sons had a grand display of palms, ferns and lilies in pots with their cut stock of roses, carnations and tulips.

R. Witterstaetter exhibited a large vase of Evelina which never looked better. There seems to be no cessation to the blooming qualities of this grand carnation.

The past week has been rather slow among store men and the prospects for this week are not at all flattering. There is plenty of choice stock to be had with but little demand. Bulbous stock, violets and lilies are at a standstill. The shipping trade is only fair and is confined to roses and carnations. There was lots of good stock to be seen at the Sixth street flower market on Saturday but buyers were few owing to the rainy weather.

Wholesale prices are as follows: Brides and Maids $4 to $5, Meteors $6, Perles $4, tulips $3, daffodils $3, Dutch hyacinths $2 to $4, callas $8, Harrisii still bringing $12.50, valley $3, violets 50 cents, carnations, ordinary $1.50, fancy $3. B.

NEW YORK.

American Institute.

The carnation exhibition of the American Institute held last Tuesday brought out several novelties hitherto not seen before in this vicinity, some of them being of unusual merit, also some excellent vases of standard varieties. Mr. A. Herrington, of Madison; Mr. J. Withers and Mr. C. H. Allen were the judges. In the evening Dr. N. L. Britton delivered an illustrated lecture on "Leaves and Flowers," which was well received.

The Exhibits.

E. G. Hill & Co., Richmond, Ind., sent America and James Whitcomb Riley, both of which arrived in excellent condition, considering the distance shipped. The first named received a certificate of merit, its strong habit, stiff, erect stem, large flowers of a somewhat uncommon and very pleasing red, appealing specially to the judges. J. W. Riley is already certificated.

J. Towell, Paterson, N. J., sent Governor Griggs, recently described in our columns, and some unnamed seedlings, the former receiving a certificate.

Frank Niquet, Patchogue, L. I., exhibited Maud Adams, which was certificated.

J. & R. Leach, Jersey City, N. J., showed Scarlet Wave, a sport from Tidal Wave. This will undoubtedly be a very fine commercial variety for provincial towns, as it is a tremendous cropper. The flowers of red are smaller than the general run. It, however, scored well on commercial points.

D. B. Long, Buffalo, exhibited Genesee. This is the first time seen here, and it made a good impression.

C. H. Allen sent Ada Rehan, deep pink, and an excellent keeper from appearances, and a handsome vase of William Scott.

William Swayne, Kennett Square, Pa., exhibited his Empress, an excellent dark maroon fringed variety of great fragrance, that attracted considerable attention.

Mrs. Turner, Tarrytown, N. Y., exhibited a pretty pink seedling from McGowan and Scott, recommended for trial.

C. Besold, Mineola, L. I., showed Mrs. Frances Joost, which was awarded a certificate; also Helen, for the first time, and some seedlings.

C. W. Ward, Queens, L. I., sent his standard varieties, John Young, Bon Ton, White Cloud, New York, Mrs. G. M. Bradt, and Mrs. James Dean, which made an excellent showing. Bon Ton received the Institute's certificate, a thoroughly deserving variety; the others have received honors at previous meetings.

Club Meeting.

In spite of "war" talk, the meeting of the New York Florist Club was well attended, nearly fifty members and visitors being present. The competition for the club medals brought out a grand lot of orchids in flower and other worthy exhibits. Owing to President Plumb being called home on account of sickness in his family, the vice-president, Mr. John M. Logan, presided.

Prof. John B. Smith, the lecturer for the evening, was next introduced, his subject being "Greenhouse Pests," and he handled the subject in a masterly fashion. He compared the difficulties of indoor and outdoor application of insecticides, and mentioned the different methods of applying same; also going into a detailed description of the physiology of some insects, their methods of breeding, etc. He touched on the San Jose scale and the legislation affecting same; also the new disease, "Certificatos," which the florists were likely to be burdened with. In a later issue, however, we hope to be able to give the essay in full as delivered by Prof. Smith. Enough to say that it was well received, and the club's hearty vote of thanks was tendered to him by a standing, unanimous vote of the members present.

After the lecture, Presiding Officer Logan, who has just returned from his native heath, and in his "bra Scootch," called the meeting to order.

The committee on legislation reported favorable progress.

The gentlemen proposed at the last meeting were unanimously elected, and the following proposed: F. W. Bruggerhof, president of J. M. Thorburn Co., New York; Simon Hamburger, president of the Am. Jadoo Co., Philadelphia; Joseph A. Gorton, of the Gorton & Lidgerwood Co., New York; A. Herrington, Madison, N. J.; Herman Hepple, Nutley, N. J.; C. Besold, Mineola, L. I.; John Scott, Brooklyn; Louis Dupuy, Whitestone, N. Y.; H. W. Barfend, Westchester, N. Y.

The standing committee on awards, consisting of A. Herrington, Julius Roehrs and L. Hafner, acting as judges, then made its report.

The Exhibits.

Thomas W. Weathered's Son exhibited a new patent adjustable fastener for attaching to wood or iron rafters, and holding wires in place for vineries, etc.; a simple and neat invention, awarded certificate of merit.

W. R. Manda showed an excellent collection of orchids in flower, and a collection of dendrobiums in fifteen varieties, which was awarded a certificate of merit, the whole being a very worthy exhibit.

Mr. Peter Fisher showed his new carnation, Mrs. Thomas W. Lawson, which comes nearer to being perfection of any carnation I ever saw. Color deep cerise; rigid, erect stem, and grand foliage. Owing to the rules of the club, it could not be awarded a certificate, though an impartial judge gave it 98 points under the carnation schedule of the C. S.

D. H. Darlington, Flushing, L. I., showed a pretty specimen of Erica Cavendishii, proving that nearly all the varieties of this class of plants do well on Long Island.

Mr. E. M. Wood, of Boston, who was present, was then called on to say a few words, and in the course of his remarks said that not many years ago he used to see in the florists' windows of New York Boston roses for sale, but the order of things was reversed, and New York roses were sold in Boston since Pierson pierced the city. He congratulated the florists and the club on its progress and thanked them for their courtesy.

Our Special Wholesale Report.

The market last week was without a redeeming feature. With an abundant supply and receding prices, the prospect is anything but encouraging for some weeks to come. At the present writing shipments of roses are rapidly increasing, a consequence of the continued warm weather.

Special grades of Brides and Maids were sold last week from $8 to $10, and they have not yet touched their lowest point. All red roses are moving slowly. Long Beauties, the top quotation of which is $40, are selling down to $25. Meteors are hard to clear at respectable prices. Jacks are going slowly at low figures. The few Baroness coming into the market are readily sold at $25 to $50.

Carnations fare better than most anything else, and hold a fair price. Fine Scotts have the preference, and bring $1.50 to $2 per hundred. The fancy sorts do not bring a steady price, as the demand for expensive stock is limited. Sweet peas are coming in in larger quantities and sell well.

There is a very light demand for bulbous stock. The price of valley has weakened again, fine stock bringing but $1 to $1.50 per hundred. Harrisii are more than plentiful, with few sales. But little can be added to last week's report on violets, except that the supply increases, and the price is anywhere from $1.50 to $4 per thousand.

For average prices, see New York market.

Various Items.

Mr. W. H. Gunther has suffered a severe loss in the death of his father, and has the sincere sympathy of all the trade. Mr. Gunther himself is on the sick list with an attack of the grippe.

J. P. Cleary & Co. held a very successful sale last Tuesday, and prices realized were good. Mr. John's voice, which has been hibernating all winter, was as dulcet as the song of birds in spring.

Mr. Robert Simpson, manager of the greenhouses of Mr. Thomas Young, Jr., of Jersey City, has a number of greenhouses (nearly 20,000 square feet) at Clifton, N. J., where he will make a specialty of Beauties, carnations, etc.

In my gyrations in the vicinity, I have noticed quantities of the Palmer hotbed mat, and have heard it spoken of very highly as being practically indestructible and all that is claimed. It will undoubtedly replace the old-fashioned straw mat in the future.

Visitors.

Geo. Fancourt, Wilkesbarre, Pa. George is on a tour of inspection, and will visit several cities in the east, also Atlantic City, where he will rest for a few days.

E. M. Wood, Boston, Mass., on his way to attend the meeting of the executive committee of the S. A. F. A. O. H., Washington, was a recent visitor. Also Harry Ayres, Albany, N. Y.; T. J. Totten, Saratoga, N. Y.; J. G. Esler, Saddle River, N. J.; Peter Fisher, Ellis, Mass.; Oliver J. Poppy, Sing Sing, N. Y.

New Jersey Notes.

Mr. A. Herrington, Madison, reports sales for Frank Hardy as being very large. He has shipped as far as to California, and to several countries of Europe.

A visit to John N. May's, Summit, N. J., found that place in excellent shape for Easter. The rose Clara Watson, as seen growing, shows a strong and vigorous habit. The young growth has almost the color of the sunset, the flowers are elongated, and of a beautiful pink color, shaded with salmon at the base of the petals, the color intensifying as the blooms age. It will undoubtedly prove a valuable commercial variety, as from reports it keeps excellently.

Lager & Hurrell have been cutting a tremendous amount of cattleya flowers, which they have marketed at good prices. They are expecting some heavy shipments of imported orchids, chiefly cattleyas. They also contemplate building in the spring.

J. & R. Leach, Jersey City, are much elated over the success they are having with their new carnation, "Scarlet Wave." When I called they had just cut 800 blooms from a bench 8x94, and the bed looked like a field of wheat. They cut 1,500 at Christmas, and the average cut is always good, and will average 25 flowers to a plant. They handle a large stock of pelargoniums, Victor, dark red, being the variety, grown.

PHILADELPHIA.

Review of the Market.

Several unusually warm, springlike days, unusual for the second week of this windy month of March, have so encouraged stock that we have experienced a "glut." Not quite a good old-fashioned glut, but enough to give a taste of what will come after a while. Prices have fallen a little, yet the market requires a good proportion of the stock which reaches town in salable condition. Roses must be cut with judgment on these warm days to avoid loss. The retailers will not touch blooms that will fly open two or three hours after they are put in water.

Easter Outlook.

The outlook for Easter is bright, excepting as regards lilies. So many of these were carried off by the disease and so many more are affected that there will not be nearly enough to supply the demand. One bright storekeeper has shown his appreciation of this state of things by buying his regular supply two weeks ago. Another has presumably done even a little more, taking one grower's entire stock of 2,200 plants. It seems probable that the shortage in lilies will increase the demand for other flowering plants, of which there is a splendid collection in fine shape.

Building.

Building operations are already commencing, though frost is scarcely out of the ground. Myers & Samtman have contracted for another Beauty house to be finished by May first, so that their customers can have fine Beauties all the year round without peradventure.

It is also rumored that Edward Towell, of Weldon, who has been sending in some fine Bridesmaids to Smith & Whiteley, has been seen in the neighborhood of the wholesale glass houses downtown.

Notes.

The stores have almost an Easter blaze of color now. Azaleas, cinerarias, tulips and daffodils are seen in profusion, making the interiors most attractive.

Pennock Bros. made a beautiful and novel effect with a bunch of Mme. Chatenay rose and Acacia pubescens in their show window.

Our bowling team has shown perseverance equalled only by G. C. Watson's now famous effort to ascertain whether Flora Hill is better than John Burton's Alba Superba. They not only went up to third place in the inter-club tournament by successive victories over the Harmonic and Star teams, but they now hold the record for the best team and best individual score of the tournament to date. All honor to the popular Dr. Goebel, who has identified himself with the Florists' Club for many years. It is supposed he must have given each member of the team what huntsmen call "a leaping powder," sometimes erroneously thought to be brandy and soda, but really a mild effervescent fluid, taking a double dose himself.

Here is the score of the great game wherein Harmonics were vanquished on their own alleys by nearly 300 pins:

A. L. Brown	168	163	168—	499
D. T. Connor	168	216	184—	568
Chas. Longinette	156	175	192—	523
Theo. Palms	247	172	198—	617
George Goebel	241	209	199—	649
J. D. Habermehl	173	212	214—	599
Total				3,455

Doctor, will these powders help us to do a little better than our best when we have serious work to do?

J. W. Y.

Easter Stock.

The stores have quite a Lenten appearance, daffodils predominating. I understand these are selling very well. Dutch hyacinths are moving slowly, and with the present warm spell will crowd the market, which is quite steady at time of writing.

A visit to the growers shows unsurpassed stocks of azaleas and hydrangeas. Lilies are almost a failure so far as fine stock goes. Messrs. Craig, Becker and Harris are the largest growers of flowering stock for the stores.

Hugh Graham has a superb stock at his greenhouses to supply his own trade, which promises to be as large, if not larger, than usual. He has, I believe, the only big stock of Acacia pubescens in the Union. They are noble plants. A fine lot of Acacia armata at H. A. Dreer's Riverton place is in fine shape for Easter, also azaleas in various sizes. A big batch is set aside for orders booked ahead. I am much interested in the acacia, and learned from Mr. Eisele (whom I found looking anything but "dreary," owing, no doubt, to the splendid shipping season the firm is passing through), that this plant has a most interesting history, being used in connection with some function during the reign of Hiram, king of Tyre. It makes a grand plant for Easter, and will doubtless be grown more extensively in connection with the heath family than it has hitherto been done here.

I bandied Mr. Eisele on those pretty arecas, of which I saw a big supply in the store of "Our John"—"Holy John," as he is described by the newspapers, for the reason, I suppose, that he does not advertise in their Sunday issues—but was informed that although he had several tempting offers to supply such stock, he had refused the tempters' charms, and really believed the trade appreciates this fact.

On my return I priced more closely and found Mr. Wanamaker made quite a profit upon the deal—much more than the grower who supplied the plants, and whose price I had. Azaleas, for instance, are priced at $1.25 and $1.50, ordinary size, which is sold at wholesale for $35 per 100. Is it the charms of the sweet dames employed as salesladies that act as incentives? I inquired of this particular charmer how long and how often the plant which I was examining, and which was in extremis, would bloom. She replied it would continue to bloom about eight weeks, and flower every year and every other year, at which remark I was puzzled, and presumed to tell her she must mean every other year, if at all, at which she waxed indignant. But seriously, I do not believe it affects the legitimate trade to any appreciable degree; rather it should help it along. The opinion of our friend, E. L. S. Dale, upon this point would be valuable. M.

CHICAGO.

Club Meeting.

Roses and violets were the subjects of discussion at the last meeting of the Florists' Club. Extracts from the paper, by Mr. Fred Hills, on growing tea roses for profit appear elsewhere in this issue. In the discussion that followed Mr. Chas. Held spoke of the wisdom of providing for a crop for the latter part of June when there is a good demand owing to the numerous school closings at that time. Mr. Anthony thought it would pay growers to carry a few houses of plants in solid beds in the old-fashioned way and bring in full crops at periods of great demand. Mr. Stollery said his experience with carried over plants had been very unsatisfactory, but they had been on raised benches.

In his paper Mr. Hills had referred to the statement made in Mr. Anthony's paper at last meeting that fully 40 per cent of the flowers cut by the grower never reached the consumer, and it brought out a lively discussion, and many good natured retorts between the retailers and the growers, Mr. Hauswirth taking good care of the retailers' side of the question.

In the center of the room stood a vase of magnificent Bride, Bridesmaid and Morgan roses brought by Mr. Hills, and they were substantial evidence that the methods of the essayist were decidedly successful at his place.

No paper on violets had been prepared but there was a very interesting discussion. Mr. G. Swenson, of Elmhurst, brought to the meeting a bunch of superb Marie Louise violets which excited the admiration of all present. Mr. Swenson says he grows all his violets in frames. He propagates his plants in August, winters them in frames, grows in the field the following summer and the second winter gets his flowers in the frames. When picking flowers in cold weather he uses a light box frame covered with canvas, the frame of a size to fit over one sash and tall enough to allow him to stand inside. Under this cover he can pick the flowers under one sash without exposing the whole frame to the weather. He has never had any trouble from disease.

Mr. Stollery related his experience with violets as follows: One year he had space to spare at the end of a carnation bench and he filled it with violets. During the season he cut from his 275 plants 12,197 violets which realized $121.72. He concluded that violets were just what he wanted, so next year he put in a whole house, and gave them special attention. During the season he cut from his 900 plants a total of 5,445 flowers which netted him $44.15. That settled the violet for him. He felt it was too uncertain a quantity to take chances on.

Mr. Rudd gave a humorous account of his attempts to grow violets. He had heard a good deal of "the violet disease," as though there was but one. He was of the opinion that there were eight or nine different diseases and was sure his plants had them all.

Geo. Baldwin, of Oak Park, displayed at the meeting a Chinese primula in a 6-inch pot bearing nine trusses of flowers. Also a pot of narcissus, remarkably well flowered, and cut blooms of narcissus in variety, freesias, triteleias, and other flowers.

Messrs. G. Swenson, Elmhurst, Ill., and D. F. Hawkes, Wheaton, Ill., were elected to membership.

At the next meeting, March 24, Lilium Harrisii and other bulbous flowers will be discussed. A feature will be a paper on the Harrisii disease by Mr. E. Buettner.

The committee of arrangements for the recent carnation convention has issued to the contributors to the fund a printed itemized statement of all receipts and disbursements. Accompanying same was a check for 25 per cent of the amount subscribed. This is certainly a remarkable record and the committee will be fully warranted in shaking hands with itself. Certainly the donors to the fund feel like shaking hands with the committee.

The Market.

The supply has shortened up some and prices are stiffer. Extra teas go as high as $6, and good ordinary go at $4 to $5, with seconds at $3. Beauties are in heavy demand, especially the extra long grade. Everything seems in good demand, even in bulbous stock there is no surplus. Violets seem the only exception, these being dull. Smilax is scarce. Bassett & Washburn are cutting some extra Beauties, but all go quickly. Carnations hold stiff, and sales below $2 a hundred are rare.

All the wholesalers seem well satisfied with trade this winter. There have been no gluts at any time so far, and there is no indication of any at this time while the outlook for Easter is excellent. Kennicott Bros. Co. report business so far this month as a very marked increase over the same period a year ago.

Various Items.

E. H. Hunt has reopened his old stand at 68 Lake St. for the retail seed business during the spring months.

Fred Ostertag, of St. Louis, is in town, with the view of locating here if a suitable opening can be found.

Lloyd Vaughan, of Vaughan, McKellar & Winterson, has returned from his trip on the road, but will start out again next week. He reports good business.

Recent visitors were E. H. Baker, Goshen, Ind., and Miss Coulter, of Valparaiso, Ind.

Sam Peiser, the north side florist, has been spending a few weeks at West Baden, Ind.

Walter Kreitling says he is like a chrysanthemum—pretty to look at but without a cent.

W. W. Barnard & Co. have opened a branch store at 191 W. Randolph St. (Hay Market Square) for the accommodation of the market gardener trade.

Samuel Rubens, for many years with Kennicott Bros. Co., died at his mother's home, 35 Milton avenue, at 6 p. m. last Tuesday. The funeral will be held at 1 p. m. today (Thursday).

The firm of Winter & Glover, wholesale commission florists, was dissolved March 16. Mr. Glover retires and the business will be continued by Mr. Blair Winter, the senior member of the former firm.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

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BOSTON.

A Visit to Westerly.

Last Thursday a party, consisting of Messrs. P. Welch, E. M. Wood, Thos. A. Cox, Warren Ewell, Wm. Edgar and M. H. Norton, paid a visit to the establishment of Mr. S. J. Reuter, at Westerly, R. I. The party was met at the station by Mr. Reuter and driven to his residence, where a tempting luncheon was served, after which the greenhouses, containing 160,000 feet of glass, were inspected. The glass is devoted chiefly to roses and carnations, and all are in fine, healthy condition, producing large quantities of first-class flowers. Among the carnations were noticed Daybreak, Scott, Thos. Cartledge and Alaska. Mr. Reuter expects to strike 100,000 of carnation cuttings for stock and sale, and those already rooted are in fine condition.

Mr. R. has rather a novel way of treating his young plants. After taking from the cutting bed and potted in small thumb pots, when they are well rooted, he turns them out of the pots and places them close together on the benches, without breaking the ball, which gives them the appearance of being planted out. When orders come in for shipping, they are easily taken out in the ball, and being so well rooted, pack in good shape, without the ball breaking. He says that by this method of treatment he never has a complaint from damage through shipping. His two largest houses of roses, Brides and Bridesmaids, are in very fine condition, both in foliage and flower.

After inspecting all the houses, the party was given a very enjoyable ride around the city to points of interest, and when they took the train for home, much satisfaction was expressed at the way in which they had been entertained by their generous host.

Mass. Hort. Society.

At the weekly exhibition of the Massachusetts Horticultural Society last Saturday, James Comley was awarded a gratuity for a fine display of camellias, azaleas, Himalayan rhododendrons, Polygala cordifolia (a very pretty old greenhouse plant), Cattleyea Trianae and hybrid roses.

Mr. H. T. Clinkaberry, gardener to C. G. Roebling, Trenton, N. J., showed a remarkably fine spike of Cypripedium Rothschildianum, Trenton variety, with four flowers on the spike, for which a silver medal was awarded. Mr. J. E. Rothwell, Longwood (John Mutch, gardener), showed a very fine well grown plant of Cypripedium Lathamianum, also Cyp. Sallierii negro-maculatum, a fine plant in good flower, and Odontoglossum crispum, with a fine spike of flowers of good form and color. A gratuity was awarded. H. A. Mansfield, Newtonville, showed two vases of very fine La Marque roses from a plant forty-three years old. Rea Bros., Norwood, showed a new rose, a semi-double flower, which they called Pink Rambler. Farquhar Bros. again showed Narcissus Victoria, which was a great attraction. Mrs. P. D. Richards, West Medford, again brought her beautiful collection of water color drawings of native orchids and a collection of native mosses and other plants.

The Market.

The retail florists say business is "Lent" until Easter time, then they hope to have a good harvest. Business has certainly been very dull during the last two weeks, with very little prospects of better trade during the month of March. Still flowers of all kinds keep coming in on the wholesalers and find a market somewhere or other, but bulbous stuff is a drug, and some is hardly salable at all. Prices range about the same as last week for well grown stock.

Various Notes.

Mr. E. Sutermeister, Hyde Park, has been appointed assignee of the business of Fred Hiatt, Beacon street.

Mr. J. R. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y., is in town. C. H. J.

WANT ADVERTISEMENTS.

A FIRST-CLASS MAN is now open to engagement fully competent in every respect; expert grower of both plants and cut flowers; wants an opportunity to better himself; no object to change unless there is an opportunity for him to show his abilities on a scale that will make his services worth at least $75 a month. Address S. D., care Florists' Review, Chicago.

WANTED—A good florist, married man preferred; one who thoroughly understands the growing of carnations, roses, violets and mums; must be pleasant and honest, to such a steady job and good wages; references expected. Address Boston, Florists' Review.

FOR SALE—Cheap for cash. An old established florist and seed store in Chicago, doing good business. Reason for selling, owner has two places. Address M. O., care Florists' Review.

SITUATION WANTED—As foreman by an up to date rose and cut flower grower; good manager and hustler and can furnish best of references as to ability to fill a first-class position. Am open for an engagement at any time desired. Give full particulars when writing. Grower, care Florists' Review.

SITUATION WANTED—By first-class gardener and florist. P. W., care of Florists' Review.

SITUATION WANTED—By young man, 19, on large private or small commercial place, where thorough knowledge of bedding and landscape can be learned; 3 years' inside commercial experience. A., 439 Bromhall Avenue, Jersey City, N. J.

SITUATION WANTED—As foreman or grower on commercial place, unquestionble ability in all braches. Reliable, industrious and capable of assuming entire charge. Nixon H. Gano, care of Florists' Review.

FOR SALE—600 feet of 4-inch cast iron pipe and fittings; 38 boxes of 10x12 double A glass; a 14-feet iron smoke stack. Address Paul Krohn, 175 N. Clark St., Chicago.

SITUATION WANTED By practical all round florist, German, age 36, single; 20 years' experience in propagating and growing roses, carnations, mums, violets and pot plants; best of references. Florist, 713 W. 8 St., Cincinnati, O.

SITUATION WANTED—By florist, with life experience in growing cut flowers and plants, as working foreman; is holding a similar position at present; American Beauties a specialty; A 1 references. Near Chicago preferred; age 30 and married. Address W. S., care Florists' Review.

SITUATION WANTED.—By practical florist as foreman. First-class rose grower, also cars. mums violets and general stock. 15 years in this country; 5 years in one commercial place; 8 in another; 2 years in present position. State wages paid. Good references; married. Address, B. C. care Florists' Review.

TO RENT.—14,000 feet of glass, consisting of seven even span, north and south houses. Near Philadelphia, Pa. X care Florists' Review.

SITUATION WANTED- By practical florist and gardener, commercial or private; No. 1 rose grower, carnations and violets a specialty; good designer; age 38; best references. Address W. G., 164 E. Main Street, Alliance, O.

SITUATION WANTED- By practical all round florist and gardener fully competent to take charge. First-class references from present and former employer. Disengaged March 15. Address, W. B. A., care Florists' Review.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By a gardener; German 31 years old; married; 16 years' experience in flowers, fruits, vegetables. care of pleasure grounds, hothouses, and landscape gardening; position in private park, cemetery, or gentleman's place in city or country; best of recommendations. Address A. Daum, 187 E. Chicago avenue, Chicago, Ill.

SITUATION WANTED—By a florist and gardener; single; 15 years' experience; who can grow carnations, mums, violets, roses. etc.; also vegetables under glass; best of reference. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Where first-class stock is grown; best of references from past and present employers; age 24. State wages, etc. W. D., care of W. W. Cole, Maple Hill Rose Farm, Kokomo, Ind.

SITUATION WANTED — First-class cut-flower grower; 12 years' experience; single; 28 years; extra good rose grower; best of reference; wish employment at once. Address. stating wages, A. M. Randall, 240 Wabash avenue, Chicago, Ill.

TO EXCHANGE—I had to take some musical instruments—French horn, two violins, autoharp and guitar-mandolin. What kind of stock have you to exchange for them? I. A. Barnes, El Paso, Texas.

FOR SALE: 1 dwelling house, 2 greenhouses, 17 x 150 newly built: well located and good home trade, on st. car line and near a city of 300,000 population. For particulars address P. O., care Florists' Review.

SITUATION WANTED- By married man, as rose grower or foreman: good grower of cut flowers and general greenhouse plants; first-class references; state wages. R. W., care of Florists' Review.

SITUATION WANTED—By a first-class all round florist; good grower of roses, carnations, violets, and mums, general stock, etc.; 16 years' experience. F. S., Florists' Review.

SITUATION WANTED—By good grower of carnations and violets; German; single; 36 years of age. with 20 years' experience; can furnish best references. C, H., care Florists' Review.

CRAW'S FERTILIZED ....FLOWER POTS

For growing and shipping plants. Send at once for samples; no charge. If you grow tomatoes or pot plants you cannot afford to pass over this.



Made of extra heavy manilla waterproof cardboard, fertilized. wire stitched seams. Perfect drainage and shipped flat. No extra charge for packing case or cartage.

SIZE.	GROSS WEIGHT PER 1000	PER 100	PER 1000
2¼-inch	About 30 lbs.	$0.25	$2.00
3-inch	" 40 "	.40	3.00
3½-inch	" 50 "	.55	5.00

Terms Net Cash with order.

These square pots economize space, giving more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow without check. Address all orders to

STUMPP & WALTER CO.
50 Barclay Street, NEW YORK.

Subscribers who are large buyers of trade supplies and who would like a larger interest than the one provided in our subscription offer are requested to correspond with us. Florists' Publishing Co., 530 to 535 Caxton Building, Chicago : : : : : : :

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FOR OUR.. **Special Spring Number**

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Cypress Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

Write for Circulars or Estimates.

Lockland Lumber Co.
LOCKLAND, OHIO.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
Cut Strings, 8 to 10 Feet Long, 50 cts. Each.
Shipped to any Part of the Country.



ASPARAGUS SPRENGERII SEED

From new crop, now ready, $1.25 per 100, $10 per 1,000. The most useful and profitable Florists' plant of recent introduction.

Asparagus Plumosus Nanus Seed.

Guaranteed true and to germinate not less than 90 per cent. $1.25 per 100, $10 per 1,000.

CLUCAS & BODDINGTON CO., 501-503 W. 13th St., New York City.
Tel. Call 403 18th St. SEEDS, BULBS AND PLANTS.

HARDY ROSES, C. H. JOOSTEN, Importer, 193 Greenwich St., NEW YORK.
Etc., For the Garden and Greenhouse. See advertisement this paper Dec. 2, page 57.

Rawson's Famous Chrysanthemums WM. H. CHADWICK, YELLOW FELLOW, MADELINE PRATT.
Ready now by leading firms and the grower. GROVE P. RAWSON, Elmira, N. Y.

Send Advs. quick for our
SPECIAL SPRING NUMBER
to be issued next week.

TORONTO.

The continued mild weather has given the market men a chance to get there and do a little business. They can sell a class of stuff down there that can hardly be sold anywhere else, and as greenhouse space is a great consideration, they can clean stuff off which would otherwise have to take a back seat or probably be thrown on the dump, though there is also a lot of good stuff sold there too.

The Gardeners' and Florists' Association at its regular meeting on Tuesday evening will wrestle with the Chrysanthemum Show prize list as suggested by the executive committee.

Some magnificent roses are being shown in the store windows now and trade still keeps fairly lively. Some good carnations are also being shown.

Mr. Geo. Reeves, of Reservoir Park, is putting his collection of stove and greenhouse plants in good order again. They are in a fair way to make their mark at the various flower shows.

The rate war between the C. P. R. and G. T. R. is bringing a great quantity of people to the city and business generally is in consequence brisker than it has been for years. Your correspondent is also taking advantage of the cheap fares and will take a month's holiday on the Pacific coast (not Skaguay, though). E.

ST. PAUL, MINN.

Market Resume.

Stock is more plentiful than for some time, though there is no glut of the market. Violets are very much in evidence and wholesale prices on some are down, good stock selling at 40 to 75 cents per 100. Harrisii are more plentiful, while there is some falling off in other bulbous stock. Smilax is scarce.

Trade has been fair, though hardly up to the previous week's business. Shipping trade has fallen off quite materially and funeral work has been in less demand than for several months. The weather continues mild and pleasant and Easter stock is coming on in good shape.

Notes.

F. Peteler, formerly clerk for Chris Hansen, has started a store on Robert street in a good location to catch trade. His opening day leader was "Roses, 50 cents per dozen." We understand that he will obtain his stock from Chicago.

Holen & Olsen, on St. Peter street, have a neat, attractive store and are enjoying a very lucrative trade.

J. Holtomt has discontinued his store on Mackubin street and retired from business.

Wm. Scott, propagator for L. L. May & Co., will join the Klondike caravan next week and endeavor to grow or find gold nuggets in the frozen north. X. Y. Z.

Vaughan, McKellar & Winterson,

WHOLESALE

FLORISTS SUPPLIES
FLORISTS SEEDS
SPRING BULBS

CUT FLOWERS.

All the leading varieties in Carnation Rooted Cuttings.

We are now having a fine lot of Cattleya Trianæ, now in stock, $5 per doz.

Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000 ..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000 ..... 12.50
Fine mixed Gladioli Bulbs, per 1000 ..... 7.50

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New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

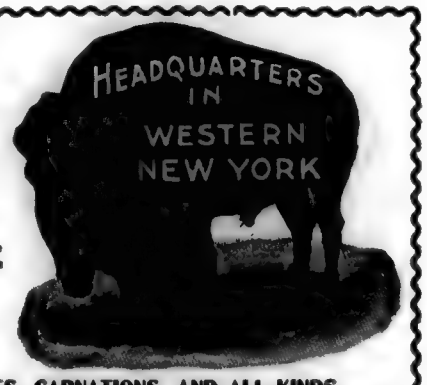
Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist...

495 WASHINGTON ST., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs

DWARF PAPAYAS.

MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus**; not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

MARTIN BENSON, Dongola, Ill.

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Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET
ST. LOUIS, MO.....

PINE ROSES—Shipped Carefully to all Parts of the Country.

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TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up to date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

SEND FOR CATALOGUE.

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Wholesale Florists

E. H. MICHEL

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Catalogue for **1898** mailed free on application.

HIGH GRADE SEEDS. **Fertilizers and Agricultural Implements.**

Carry a full line of implement repairs. Get our prices before buying.

THOS. J. GREY & CO.,
32 S. Market St., Boston.

COOD STOCK ! !

Carnations in 2-in. pots. Mrs. S. A. Northway, $10 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, fine for summer cutting, $10 per 1000.

Geraniums in 2½-in. pots. S. A. Nutt, La Favorite, Heteranthe, $25 per 1000; Mad. Bruant, M. Alphonse Ricard, Fleur Poitevine, $4 per 100; Mrs. Perkins, Surprise, Duchesse de Maille, $4 per 100; Rose, $2.50 per 100; Mad. Salleroi (3-in.), $20 per 1000.

GENISTA RACEMOSA, 4-inch, fine stock, $10.00 per 100 STOCK A No. 1. TERMS CASH.

CARL HAGENBURGER, West Mentor, Ohio.

Always Mention the....

Florists' Review

When Writing Advertisers.

EASTER FLOWERS...

BUY YOUR FLOWERS DIRECT FROM THE GROWER

BASSETT & WASHBURN

Wholesale Growers of and Dealers in Cut Flowers

We have the following grown especially for the

...EASTER TRADE...

HARRISII LILIES 25,000 of the finest Harrisii Lilies, grown from 7 to 9 bulbs. We pack these in boxes made for the purpose, holding 100 Lilies each, and of such size that their full length of stem is had. These lilies are all carefully chilled before being shipped, and we guarantee their safe arrival.

LILY OF THE VALLEY We offer 15,000 of the finest selected cold-storage Valley. Heavy dark green foliage and large flower spikes. Price, $3.00 per 100.

DAFFODILS Double Von Sion. 10,000 fine large flowers. Price, $3.00 per 100.

TULIPS 20,000, consisting of La Reine, Yellow Prince, Cardinal, Murillo, Kaiserskroon, etc.

ASPARAGUS 3,000 very fine, long strings. Price, 40c each.

SMILAX Extra heavy, $2.00 per dozen.

AMERICAN BEAUTIES Our Beauties were never in better shape, and are coming in crop with the finest flowers ever placed on the market. We have 50,000 plants to cut flowers from.

TEA ROSES A large stock, such as Brides. Bridesmaids, Meteors and Perles, all of our own growing.

CARNATIONS A limited quantity of Fancies, such as Jubilee, Mrs. Bradt, Flora Hill, Triumph and extra fine Daybreak.

Rooted Cuttings We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all cuttings to be in first-class condition in every respect, and will be delivered as you want them.

Our flowers are all carefully chilled before shipping. We have the finest ice house in the west. Write us for our price-list, which we issue every week, giving current prices of our goods.

...ROSES...

Brides
Bridesmaids
Meteors
$1.50 Per 100.

Do not write for other kinds for we do not grow them.....

We shall have abundance of nice Plants later in the season.

SEND IN YOUR ORDERS NOW.

...CARNATIONS...

	Per 100.	Per 1,000.
Triumph	$3 00	$25 00
Daybreak	1 50	12 50
Wm. Scott	1 00	7 50
Harrison's White	2 00	
Minnie Cook	1 50	12 50
Rose Queen	1 50	12 50

Greenhouses and Residence,
HINSDALE. ILL,
Long Distance 'Phone No. 10.

Bassett & Washburn, Store....88 Wabash Avenue, Chicago, Ill.
Long Distance 'Phone Main 223.

ROCHESTER, N. Y.

Prospects for Easter.

Flowers quite plentiful and trade slow, has been the experience the past week; the dullness is relieved to some extent by a more animated demand for flowering plants, which at present are greatly in evidence everywhere. The unusual warm weather brings out a good many of the azaleas too fast with several growers and although we cannot say that there is really an oversupply so far, we may expect such a condition within the next two weeks if the mild sunny weather continues, because many of the plants in some places are advanced too far now to be kept much longer unless a radical change in the temperature comes upon us shortly. Still with all this, we shall have an ample supply of good azaleas in all sizes for Easter week. In two or three establishments we notice that all the plants are just right, barely showing color now and quite a number are kept in reserve even for a still later date. With kalmias and rhododendrons no such difficulties are experienced, they are easily kept dormant and can be brought forward quickly at this time of the year. Metrosideros are often a little slow in coming out, but conditions were very favorable this season. They do not show color yet but the buds are fully developed, ready to burst open. The genistas did not require any forcing at all so far and it is not very likely that they will need any. Some of the lilies in town are so forward that they would require the temperature of a cold storage room to keep until Easter. Other batches are late and want the brightest sun and lots of heat to bring them out in time. All other flowering stock will be very abundant apparently, everybody being prepared for a big demand in this line.

In Highland park, among the highly interesting collection of rare trees and shrubs, the Japan witchhazel (Hamamelis arborea, I believe) has been in full bloom for two weeks now and is quite showy with its clear yellow long, narrow, thread-like petals, springing from the coppery-bronze colored calyces, which are produced in little clusters, three to six in a bunch, from the eyes all along last season's growth. The flowers are far superior to our well known native H. virginica, which blooms in November or December, have a distinct and pleasing fragrance and being such a very early bloomer attracts universal attention, which it fully deserves.

A Visit to Syracuse.

A delegation of Rochester florists is visiting (?) in Syracuse to day (Monday). They are expected by their friends in the Salt city and are sure of a very hearty welcome. K.

Always Mention the....
Florists' Review
When Writing Advertisers.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE,
CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE
EXPRESS 466.

WRITE US FOR
ILLUSTRATED CATALOGUE.
WINTER & GLOVER
HIGH GRADE Cut Flowers
Properly packed and promptly forwarded.
FULL LINE OF WIRE DESIGNS
AND FLORISTS' SUPPLIES.
21 Randolph St., CHICAGO.

OUR SPECIAL SPRING NUMBER
To be Issued Next Week
Will be the handsomest issue of a Florists' Trade Paper ever published, and will reach..... EVERY FLORIST IN THE UNITED STATES AND CANADA

W. E. LYNCH,
...Wholesale Florist...
The right kind of stock, packed in the right way, delivered at the right time, and at the right prices
19-21 Randolph St., CHICAGO.

E. G. AMLING,
Wholesale Cut Flowers
Consignments Solicited. Prompt Attention to Shipping Orders.
51 Wabash Ave., - CHICAGO.

NATIONAL FLORISTS' BOARD OF TRADE
CORNELIUS S. LODER, Secretary.
Collections, Credits, Etc.
271 Broadway, - - NEW YORK

A. L. RANDALL
Telephone 1496
Wholesale Florist
126 Dearborn St., Chicago.
DON'T FORGET that we are at the old number. Write for special quotations on large orders.

H. Bayersdorfer & Co.
THE LARGEST SUPPLY HOUSE IN AMERICA
New Catalogue of all Florists' Supplies on application. For the trade only.
50 to 56 N. 4th Street, PHILADELPHIA, PA.

ROGERS PARK FLORAL CO.
Wholesale Growers of
CUT FLOWERS.
All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, - CHICAGO.

A. G. Prince & Company
Telephone .....Main 3208
Agents for..... HINSDALE ROSE CO.
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E. H. HUNT

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SUPPLIES, SEEDS, TOOLS AND BULBS.

Seasonable Flower Seeds.

BEST STRAINS ONLY. SEND FOR PRICE LIST.

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Taking Effect Mar. 17, 1898.

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Ordinary Selected Stock	per 100,	$1.50—
Extra	"	2.00—
ROSES.		
Beauties, long	per doz.,	4.00—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	4.00—
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Asparagus	per string,	60.—
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Adiantum, short supply	per 100,	1.00—
Common Fancy	per 1000,	2.00—
Smilax extra heavy, per doz.		1.50—
Galax	per 100, 15c., per 1000,	1.25—
Leucothoe Sprays	per 100,	.50—
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Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
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Fresh stock always on hand.

MISCELLANEOUS.		
Marguerites	per 100	.60—
Mignonette	per 100,	2.00—
Forget-me-not, per 100		.75—
Callas	per doz.,	1.00—
Harrisii	"	1.00—
Lilac, per bunch		1.00—
Romans, Valley	per 100,	2.00—3.00
Paper White Narcissus	"	2.00—
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Freesia (extra select)		2.00—
Dutch Hyacinths	per doz.,	.60—
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Orange blossoms, per doz. sprays		2.00—

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Strong, 3-in., ready May 1st. $1.25 per doz. $8 per 100.

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Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

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Chrysanthemums, Carnations and Violets.

Correspondence solicited.

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BEAUTY

Well Rooted, $5 per 100
2½-in. Pots, $8 per 100

Clean Stock! CASH WITH ORDER. **CUTTINGS**

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Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 1.00; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

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That will please you and prices that will suit you.

S. A. Nutt, La Favorite, Heteranthe, $2.50 per 100 $20 per 1000; Beaute Poitevine, Mary Hill, $3 per 100; Mme. Bruant, Frances Perkins, $5 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

NEW YORK MARKET.

Week Ending March 12th, 1898.

Am. Beauty, fancy, extra, long stem, each	25c to 35c
Am. Beauty, extra, each	10c to 20c
Am. Beauty, culls and ordinary, per 100	1.50 to 6.00
Brides, 1st, per 100	3.00 to 4.00
Brides, 2d. per 100	1.00 to 2.00
Bridesmaids, 1st, per 100	3.00 to 4.00
Bridesmaids, 2d, per 100	1.00 to 2.00
Brunners, 1st, per 100	20.00 to 40.00
Brunners, 2nd, per 100	5.00 to 15.00
Meteors, 1st, per 100	3.00 to 4.00
Meteors, 2d, per 100	1.00 to 2.00
Testouts, 1st, per 100	3.00 to 4.00
Testouts, 2d, per 100	1.00 to 2.00
Morgans, 1st, per 100	3.00 to 4.00
Morgans, 2d. per 100	1.00 to 2.00
Cusins, 1st, per 100	3.00 to 4.00
Cusins, 2d, per 100	1.00 to 2.00
Perles, per 100	1.00 to 2.00
Carnations, per 100	.75 to 2.00
Carnations, fancy, per 100	2.00 to 4.00
Valley, per 100	.50 to 1.50
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	3.00 to 5.00
Violets, per 100	.10 to .30
Paper white Narcissus, per 100	2.00
Cattleyas, per 100	20.00 to 30.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 2.50
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	8.00 to 15.00
Asparagus, per 100	50.00
Purple Lilac	75c per bunch
White Lilac	1.00 per bunch
Mignonette, fancy	3.00 to 5.00
ordinary	10c to 25c per bunch
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.75 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

A fairly active week. Last part of last week was particularly good. There have been times each day when trade seemed dead, but revival has always been prompt.

Last days of the old week saw carnations galore, but Monday found a decided scarcity. No particular famine, but not quite enough for the demand.

Prices have been moderate in all things and stocks have moved freely in consequence.

Violets seem on the average to be deteriorating in quality, while quantities offered have shrunk somewhat. Some few, as contraries go, are better than ever.

Quite a falling off in bulbous stocks—still enough for all purposes. Callas have been a drug, while smilax has been exceedingly scarce—at times positively none to be had—the best selling at highest price reached since last Easter, 15 cents.

The visible supply of common ferns is small and the supply at hand on this market correspondingly short, at times next to none in town; a further advance is not unlikely.

Phoenix Nursery.

5,000 Bush Honeysuckle, 2 to 5 feet.
10,000 Rose Stocks, Native seedlings.
3,000 Yucca Seedlings, Dwarf Almonds.
5,000 Street size Norway and Sugar Maple, Elm, Linden, Box Elder, Catalpa, etc. Also Fruit Trees, Small Fruits. Price List free.

P. K. PHOENIX & SON, Delavan, Wis.

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A List of All Varieties upon Application.

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20,000 LITTLE BEAUTY

.FUCHSIAS.

Now ready in bud and bloom.

	Per 100
The best up-to-date Fuchsias in market	$5 00
Lord Byron Fuchsia	5 00
Begonia Rex in best varieties	4 00
Madame Pollock Geranium	3 00

Plants ready to shift into 4-inch pots.
Cash with order.

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Consignments of only the best Stock solicited.

Send Advs. QUICK for our SPECIAL SPRING NUMBER

KLONDIKE Gold Fields at Your Door.

COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffeltii and Golden Queen rooted cuttings, $6 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $4.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

Ageratum, dwarf blue, rooted cuttings, $5 per 1000. Fuchias—standard sorts nothing but the best varieties, rooted cuttings, $12 per 1000; $1.50 per 100. Double Petunias, extra fine strain from flats, $1.50 per 100; $12 per 1000. Anthemis Coronaria, Golden Marguerite, $12 per 1000; $1.50 per 100. Salvia Splendens, $1 per 100. Vincas Variegated, $1.50 per 100; $12 per 1000; 2½-in. pots of the same, $2.50 per 100; $20 per 1000; 3-in. pots, $4 per 100. Heliotrope, six varieties, $1 per 100; $9 per 1000. Alternanthera, Paronychioides Major and Aurea Nana, 60c. per 100. Helianthus Multiflora, Double Golden, 2½-in. pots, $3 per 100.

GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

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Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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Address **Luther Armstrong,**
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Standard Cannas STRONG ROOTS

TO CLOSE OUT QUICK!

1500 Paul Marquant } $1.50
2000 Mad. Crozy } ....Per 100 Eyes

ORDER QUICK! CASH.

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A small surplus, fine plants from 3-in. pots, of these kinds only: Mme. Thibaut, Mme. G. Henri, Mme. Vibert, Mrs. Sandiford and Pink Beauty. Our assortment, in proportion to stock, 12c. each in any quantity, while they last.

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Pinehurst Violet

Is the hardiest form of the English Violet, with large, single, very fragrant, deep blue flowers. Blooms continuously from September to May. Fine foliage. Unsurpassed as all-the-year round valuable ground cover. 100 for $1; 1000 for $30. c. w. o., f. o. b. Pinehurst.

Ask for Spring price-list.

PINEHURST NURSERIES,
OTTO KATZENSTEIN, Supt. Pinehurst, N. C.

WE HAVE PLEASURE IN OFFERING TO THE TRADE THIS SEASON FOR THE FIRST TIME ONE OF

The Finest Novelties in Chrysanthemums

——EVER SENT OUT——

...MRS. O. P. BASSETT...

It will only be necessary for us to state that **This is a Yellow Mrs. Henry Robinson**

to ensure for it a large sale. It is a sport from Mrs. Henry Robinson, with which variety it is identical in every respect except color, being a delicate primrose yellow, deepening toward the center of the flower. It has been thoroughly tested, and is a novelty of sterling merit. One of the most eminent eastern growers who has tested it states that it is one of the best things in Chrysanthemums sent out in some time. Every Chrysanthemum grower will want it. **A Yellow Mrs. Henry Robinson** will be a money-maker, and a fine exhibition variety as well. Plants now ready for delivery. We have also fine stocks of the other finer introductions of the year—**FRANK HARDY, MRS. H. WEEKS, AUSTRALIAN GOLD.**

[Price, $3.00 per dozen; $20.00 per 100.]

Wm. H. Chadwick, $6 per doz. The Yellow Fellow, $3 per doz. Pennsylvania, Autumn Glory, Solar Queen, Black Hawk, Quito, Thornden, $5 per doz.; $35 per 100. Boundless Snow, Mrs. C. H. Peirce, Miss Gladys Vanderbilt, $3.50 per doz.; $25 per 100.

We offer also all the best of the **Novelties for 1897,** and the **Best Standard Sorts.** Send for our wholesale list and large descriptive catalogue, giving full list of varieties and prices. We have a very large and fine lot of Novelties in Cannas for 1898, also best and latest introductions in Carnations, Dahlias, Strong Field-grown Roses and other Hardy Plants, a large and fine collection of Palms and other Decorative Plants, etc., etc.

We will be pleased to send our wholesale list and descriptive catalogue to any one who may not have received them.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

..Areca Lutescens..

LARGE HEALTHY STOCK

3	Plants,	6-inch	Pot,	24 to 32	inches high,	very	bushy,	each	$1.00
3	"	7-inch	"	32 to 36	"	"	"	"	1.50
3	"	8-inch	"	36 to 38	"	"	"	"	2.00
3	"	8-inch	"	42 to 48	"	"	"	"	2.50
1	"	10-inch	"	4 to 5	feet	"	"	"	5.00

All Measurements from Top of Pot.

JOSEPH HEACOCK, Wyncote, Philadelphia, Pa.

....GERANIUMS, Best Bedders and New Varieties. BEGONIA Vernon, 5 colors, $1.30 per 100; $10.00 per 1000. COLEUS, fancy leaved, 80c per 100; $5.00 per 1000. SCARLET SAGE Grandiflora, half dwarf, immense bloomer. ALTERNANTHERA, P. Major, A. Nana, plants. PANSIES, Giant and Bugnot, transplanted in bud. PETUNIAS, single Ruffled Giant, dwarf Ageratums, Heliotropes, B. and W., 80c per 100; $6.00 per 1000. Seedling Asters, Verbenas and Pansies, 50c per 100. Any quantity at 1000 rates, by express. Send for my list.

DANIEL K. HERR, Lancaster, Pa.

FOR SALE!

SIX SHARES OF STOCK
...IN THE...
American Florist Co.

This stock has sold freely at $100 a share in the past. To close out my interest I offer my remaining six shares at.....

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ROSES! Own Roots, Dormant, Field Grown

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,
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...TUBEROSES...

Dwarf Pearl, 1st size sold out, 2nd size, 100, 40c 1000. $2.00; 5000, $8.50, guaranteed 1st class stock

Send Cash with Order.

Gulf Coast Nurseries,
Dickinson, Tex.

Always mention the Florists' Review when writing advertisers.

PITTSBURG.

The agreeable weather of the past week has aided business to some extent. Stock is plentiful, but no surplus is noticed. At the last meeting of the Florists' Club it was decided to make our next meeting, March 24, a "Carnation Night." Every grower and dealer is requested to exhibit samples of his carnations. Those having carnations to display for this exhibit can send them to P. & A. F. & G. Club, T. P. Langhans, Sec'y, Allegheny, Pa., who will attend to their proper display.

At a recent visit to the greenhouse of Mr. John Bader, Mount Troy, Allegheny, Pa., your correspondent saw several houses of Azalea Indica which will be in fine shape for Easter. Mr. Bader has made extensive preparations to supply the trade with blooming plants, palms, etc., for the Easter season.

At the last meeting of the Botanical Society of Western Pennsylvania, the subject of "Botany in the Schoolroom a Natural Factor in Development," was discussed by Anna M. Deens, of the Pittsburg High School.

Visitors: Messrs. L. Van Leeuwen, Bulbgrower, Sassenheim; H. Weber, of H. Weber & Sons, Oakland, Md. The latter showed very fine blooms of their new rose Mrs. Robert Garrett.

L.

BUSINESS CHANGE.

W. T. Bell, of Franklin, Pa., who has been engaged in business as a florist there for thirty years, has taken two of his sons, John Bell and Philip Bell into partnership, and the firm will be known as W. T. Bell & Sons. The sons have always been engaged with the father, and have been practical florists from childhood. Two large houses will be added, and extensive improvements made this season.

NEW CARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $10 per 100.

Send for Price List of Standard Sorts

WM. SWAYNE,

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Carnations

New Carnations---------

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND

DAYBREAK X SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida
(Cape Jasmin.)

3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.

25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.

Oranges, best sorts grafted, 4-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.

Crotons, 3-in. pots, $10 per 100.

Send for Trade List. Address

P. J. BERCKMANS
AUGUSTA, GA.

INSURE AGAINST FIRE IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y, Fort Wayne, Ind.

GERANIUMS,

	Per 100
Bruant, fine 3-inch	$2.75
Mixed Scarlets and Pinks, 3-inch	2.75
Rose, large leaved	2.50
Begonias, best varieties, 4-inch	4.00
Coleus, " " cuttings	.95
Cyperus Alternifolius, 2½-inch	1.50

Stock sure to please. Cash with Order.
GEO. L. MILLER, Newark, Ohio.

Seed Stores and..... Flower Stores

Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.

The WALKER FERTILIZER CO.
Clifton Springs, N. Y.

REED & KELLER,
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Manufacturers of WIRE DESIGNS and Dealers in FLORISTS' SUPPLIES

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

...CARNATIONS...

This Ad. Will Not Appear Again.

LAST CALL.

Strong Cuttings of Wm. Scott and Lizzie McGowan. Must be sold immediately.

15,000 McGowan, per 1000.....**$7.50**
20,000 Wm. Scott " " **6.50**

Order quick. Cash with order.

Lake Geneva Floral Company,
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Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

AND OTHER Vegetable Plants

Pepper and Egg Plants 25c. per 100 $2 per 1000

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

ROOTED CUTTINGS OF CARNATIONS:

New—Mayor Pingree, Victor and Flora Hill per 100, $5.00; per 1000, $40.00. Jubilee and Emma Wocher, per 100, $3.00; per 1000, $25.00. Meteor and Tidal Wave, per 100, $2.00; per 1000, $15.00. Scott, Daybreak. Albertini, Alaska and Puritan, per 100, $1.50; per 1000, $12.00. All well rooted. Satisfaction guaranteed or money refunded.

Geo. A. Rackham, 880 Van Dyke Av., Detroit, Mich.
Wholesale grower of Carnations and Small Ferns.

Marie Louise

VIOLET RUNNERS.

Good Plants. Healthy Stock. **$5.00 per 1,000.**

A. WASHBURN & SON, Bloomington, Ill.

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ORCHIDS! ORCHIDS!

Send for special list to the largest importers, exporters and growers in the world.

SANDER, { ST. ALBANS, ENGLAND / BRUGES, BELGIUM

A. DIMMOCK, Agent, 60 Vesey St., New York.

10,000 Genista Scoparia Scotch Broom, 1 year old, 18-30 in., hardy and rare, 100 for $5; 1000 for $15. c. w. o.

100,000 Yucca Filamentosa Strong tubers; 100 $1.00; 1000 for $8; fine plants, 100 for $2 to $5; 1000 for $12 to $25, according to size.

Ask for new price-list.

PINEHURST NURSERIES,
Pinehurst, N. C.

PANSIES. THE JENNINGS FINEST STRAIN.

THEY ARE GRAND.

Fine stocky plants, in bud and bloom, $10 and $12.50 per 1000; $1.50 per 100, by express. Small plants by mail, 75c per 100. Seed, $1 pkg. Cash with order. Lock Box 254.

E. B. JENNINGS,
Grower of the Finest Pansies. Southport, Conn.

SIMMONS'

New Light Colored # CARNATION

Mrs. S. A. Northway

We introduce this variety with even more confidence than we did Portia, Silver Spray, Tidal Wave, Daybreak, Rose Queen, or J. J. Harrison, knowing that it will become as great a cut flower variety as any of the above. Plant of strong, free growing habit, entirely free from disease or rust; large round high built flower with perfect calyx and extra strong and long stem. Color a beautiful soft shell pink becoming almost white when fully open.

Orders booked now and filled in rotation. We shall commence to ship soon after Jan'y 1st. Price, $10.00 per 100; $75.00 per 1000.

Geraniums. Md. Bruant, Md. Jaulen, Fleure Poitevine, J. Ricaud, and J. Sallier, 2¼-in. pot plants, $5.00 per 100. Rooted cuttings, $3.00 per 100; $25.00 per 1000. Our superb stock of all the finest sorts, 2¼-in. pot plants, named, $25.00; unnamed, $20.00 per 1000. Rooted cuttings, $12.50 per 1000.

Fuchsias. A grand lot of summered-over stock in small pots that will make early bloomers, $3.00 per 100.

All Rooted Cuttings Cash with Order.
Our Price List describes many other fine plants. Send for it.

W. P. SIMMONS & CO., - Geneva, Ohio.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.

Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM,
104 South 13th Street, Philadelphia.

Last Call.....

FOR ADVS. FOR OUR

ADVS. MUST BE MAILED AT ONCE TO BE IN TIME, # Special Spring Number

TO BE ISSUED NEXT WEEK.

..ROOTED CUTTINGS..

Smilax from flats, strong, 50c per 100; $4.50 per 1000.
Verbenas, 18 varieties, 70c per 100; $6 per 1000.
Vinca Major, $2.00 per 100.

Express paid, cash with order.

E. H. SMITH, - Macomb, Ill.

Always mention the Florists' Review when writing advertisers.

Use Economy and Make Your Own Pots

THE COW MANURE POT is the best in the world for young plants. For bedding and sending of plants it is the best thing ever invented. The cow manure forces the plant and makes it healthier. You do not need to disturb the roots in getting them out as you do in the clay pots. It is especially recommended for the sending of plants, as the plant does not have to be taken out of pot. For bedding all you have to do is to squeeze the bottom of pot and set out in bed. It never stays the plant, it holds the moisture better, especially if you have a dry summer. The pots stand watering in greenhouse and hotbed. Every gardener needs one of these machines. **Single machine, 2-in. pots, $4.50. Double machine, 2 and 3-in. pots, $5.**

Machine weighs about 5 pounds.

HAROLD ELTZHOLTZ, CENTRAL VALLEY, ORANGE CO., N. Y.

THE ELIZABETH NURSERY CO.

Send for our Catalogue.

Large Trees, Shrubs, and Vines. Privet and Ampelopsis Veitchii by the 10,000. 50,000 Peach Trees cheap.

THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

Always mention the Florists' Review when writing advertisers.

BALTIMORE.

Resume of Business.

Much to the surprise and delight of all concerned, flowers so far this season have escaped the usual Lenten denial list, and are as much in demand as ever. Small social affairs, which are seldom counted upon, have been very numerous, and entertaining in general has received little material check since the religious season began.

The time has now arrived that the florist cannot afford to allow even the smallest holiday or anniversary to pass by unnoticed. The public is learning to look for a change of window and a display appropriate to the occasion. St. Patrick's day, which is our next date of importance, will be celebrated by the Baltimoreans on the 17th inst. On that feast the retailers have quite a demand for shamrock, of which this season very little is to be seen. Judging from the scarce supply, one would think our growers were all Frenchmen. Any one, however, will tell you differently.

Stock—Prices.

The excessive warm spell which we have experienced the past week has produced stuff in abundance, and if this unseasonable weather continues there will be a regular glut.

The supply of violets far exceeds an unusually good demand. Several retailers are now selling at 75 cents per hundred. Last Thursday was "bargain day" for a Lexington street florist, when the price was 50 cents.

Mr. Samuel S. Pennock, of Philadelphia, was again in town for a few days. C. F. F.

SALT LAKE CITY, UTAH.—The Utah Florists' and Gardeners' Association has been organized with officers as follows: John Reading, Pres.; John Starley, Vice-Pres.; Hugh Connor, Rec. Sec'y; E. J. Petty, Treas.; Peter Huddart, Cor. Sec'y. At the second meeting of the association on March 14 the program included a paper on "Camellias, Azaleas and Rhododendrons," by W. A. Schultheis; one on "Vegetable growing under glass," by John C. Swaner; and on "Roses and Carnations," by Thomas Hobday.

MINNEAPOLIS, MINN.—On March 1 the "Soo," Northern Pacific and Great Northern railways put into effect one-half rates on grass and clover seed to points on their lines in Minnesota and North Dakota.

2-inch Pot Roses.

SAME OF CARNATIONS.

Send 50c. for Samples and Prices.

Fine Smilax in 2-in. pots.

Geraniums in 2 and 3-in. Pots.

GEO. A. KUHL, Pekin, Ill.

M. RICE & CO.

...IMPORTERS AND MANUFACTURERS OF...

Florists' Supplies

CYCAS LEAVES, IMMORTELLES,
WHEAT SHEAVES, our specialty. BASKETS OF ALL KINDS,
"VIOLET HAMPERS" entirely new.

Prices on Application.... 25 N. 4th St., Philadelphia, Pa.

E. G. Hill & Co., Richmond, Ind.

FLORA HILL, $5 per 100, $40 per 1,000.

EVELINA, - - - $10 per 100
WHITE CLOUD, - $10 per 100

TWO GRAND WHITES OF 1898. TRY THEM.

PSYCHE—flaked white, $10 per 100.
PAINTED LADY—red, Two Fine Commercial Sorts.

Our trade list is issued; it you have not received it, send for a copy. New Cannas, new Geraniums, new Roses; all the new Chrysanthemums of the year.

E. G. HILL & CO.

TRADE MARK

Cablegram

FROM

Yokohama.

"Kaishimeta Teppoyuri."

We received the above cablegram from our Yokohama house, stating that again we control the largest part of Lilum Longiflorum for next season. Prices will be quoted upon arrival of next Japan mail.

SUZUKI & IIDA,

No. 15 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

LILY OF THE VALLEY

Best Pips in the market $1.50 per 100; $12 per 1000

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave and Albertini Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Verbena Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves. Station X. **Chicago.**

ALTERNANTHERAS R. C. A. Nana, P. Major, R. Nana, 75c per 100, $5 per 1,000.

BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.

GERANIUMS **Bruant,** 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.

CANNAS nicely started, Mme. Crozy. P. Marquant, L. E. Bally. In assortment, 30c per doz., $2.00 per 100.

A. J. BALDWIN, Newark, O.

Mention the Florists' Review when writing advertisers.

We Open it for Two

CHICAGO, March 4, 1898.
MR. EDWARD SWAYNE, WAWASET, PA.
DEAR SIR:—Why not give us a chance to come in on this Jack pot? It certainly would not prove a Frost if you did. Respectfully,
FLORISTS' PUB. CO.

JACK FROST

is perhaps the largest white carnation in cultivation, having won this distinction in open competition at Philadelphia, April, '97, Flora Hill being a competitor . . . . . .

Full description sent on application. Stock now ready, $10.00 per 100; $80.00 per 1000 . . . . . .

Can also furnish

EMPRESS (Wm. Swayne),

FIREFLY (Hancock),

and all of W. R. Shelmire's new ones.

EDWARD SWAYNE, Wawaset, Pa.

WAWASET, PA., March 9, 1898.
FLORISTS' PUB. CO., CHICAGO.
GENTLEMEN:—You can't come in without the chips. If you will publish your letter adjacent to my adv. we will try two insertions. Yours truly,
EDW. SWAYNE.

For the Easter Season.

Azalea Indica, well set with buds, 40c, 60c, 75c, $1.00 each.
Larger Plants, prices accordingly.
All fine Plants.
Spiraea Japonica, 25c each.
Hydrangeas, well set with blooms, 75c, $1.00, $1.50 each.
Lilies (Harrisii), **Tulips, Hyacinths**, at low prices.

Fxceedingly fine lot of... **PALMS.**

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch $1.00 each. **Latania Borbonica**—4-inch, 20c, $60 per 100; 5-inch, 40c; 6-inch, 75c and $1.00; 7inch, $1.75 each. **Pheonix**—5-inch. 40c; 6-inch, 75c each. **Kentia Belmoreana**—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each. **Kentia Forsteriana**—4-inch, 25c; 5-inch, 50c; 6-inch, $1.00 each. **Cocos Weddeliana**—3-inch, $20 per 100; 4-inch, $50 per 100. **Araucarias**—60c, $1.00, $2.00 and up.

Fine specimen plants of the above in larger sizes at low prices. Cash or satisfactory reference.
Special prices on Bedding Stuff.

JOHN BADER, Allegheny City, Pa.
Long Distance 'Phone 872.

1897 **SEEDS** 1897

Mammoth Verbena Seeds only	$1 00	per oz.
Aster Seeds only	1 00	" "
Pansy Seeds "	1 00	" "

The Morris Floral Co.,
MORRIS, ILL.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application,

JACOB W. MANNING,
The Leading New England Nurseryman. ESTABLISHED 1864. READING, MASS.

50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums**, from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.

Always Mention the....
Florists' Review
When Writing Advertisers.

The New Carnation, Cerise Queen

READ WHAT THOSE THAT ARE GROWING IT HAVE TO SAY:

Mount Greenwood, Ill.
MR. FRED BREITMEYER,
Mt. Clemens, Mich.,

Dear Sir:—In reply to yours for our experience of Cerise Queen, will say that under our treatment the color, form and substance is all that can be desired; we have also found it a very free and continuous bloomer and have never found a bursted calyx the whole season; it is a little weak in the stem, but we lay that to the poor place in which it is growing, also we think one should be careful and not overfeed it, as it does not need it, but produces a fine flower under ordinary care.
Yours truly, C. W. JOHNSON.

H. DALE, Cut Flower Grower,
Brampton, Ontario.
MESSRS. J. BREITMEYER & SONS,
Mt. Clemens, Mich.,

Gents:—The plants of Cerise Queen which you sent me last spring for trial have done well; the flower is of very pleasing color, stem medium length, 15 to 18 inches; habit of plant good. I shall plant it again next year.
Yours truly, H. DALE.

DAILLEDOUZE BROS.,
Flatbush, Brooklyn, N. Y.
JOHN BREITMEYER & SONS,
Mt. Clemens, Mich.,

Gents:—We have a few plants of your No. 16, Cerise Queen, on trial; the flower is medium size, but fine color, in fact the only fault we find is its dwarf habit; we should like to grow some for side benches, as we believe it far superior to Tidal Wave for that purpose, and should make a commercial variety, but not high priced. Please give us your best price on 1000 rooted cuttings.
Very truly yours,
DAILLEDOUZE BROS.

GEO. A. RACKHAM, Wholesale Grower,
Detroit, Mich.
J. BREITMEYER & SONS,
Mt. Clemens, Mich.,

Dear Sirs:—In reply to yours asking as to my success with your No. 16, Cerise Queen, will say that I consider it the ideal Carnation of its type, very productive, continuous, stiff stem, of medium length, and holds its color longer on the plant than any Tidal Wave ever grown. I shall plant a house of it, if I am able to procure the stock.
Yours, GEO. A. RACKHAM.

Copy of a Letter---My order for 1000 cuttings, which is a big one for my small place, speaks louder than words. W. N. RUDD.

We predict **CERISE QUEEN** is the coming Dark Pink Commercial Carnation.
Orders booked and filled in rotation. Price. $2 per doz.: $10 per 100; $75 per 1000.

MAYOR PINGREE—The best of all yellows. Buy your stock from the Originators.

Our stock is in excellent condition; $5 per 100; $40 per 1000, R. C.

JOHN BREITMEYER & SONS, Corner Gratiot and Miami Avenues, **DETROIT, MICH.**

Subscribers

ARE REMINDED THAT They will materially advance the interests of their paper by buying supplies of the advertisers in the

Always MENTION the name of the paper when sending inquiries or orders. **Florists' Review....**

Rose Hill Nurseries

Largest Growers of Palms, Orchids, Stove and Greenhouse Plants, Ferns, Araucarias, Pandanus.

New Wholesale Price List will be ready March 20th.

SIEBRECHT & SON,
New York Office, 409 Fifth Av. New Rochelle, N.Y.

You will miss it

If you do not stock up with that grand white **Flora Hill**, at $5 per 100; $40 per 1000. Portia, Scott and McGowan, $1 per 100; $8 per 1000. 100,000 ready. Send for list of novelties and other standard sorts.

WM. MURPHY, Sta. F, Cincinnati, O.

Last Call...

FOR ADVS. FOR OUR
::: Special Spring Number :::
To be Issued Next Week.
Advs. Must be mailed at once to be in time.

PRIZE ..WINNING.. **CARNATIONS**

(Some of them.)

Good Ones all of them.

Read this list and send for full description and prices, Evelina, Gold Nugget, Fire-fly, White Cloud, New York, John Young, Bon Ton, Mrs. Jas. Dean, Psyche, Conch Shell, Happy Day, Alba Superba, Empress, Argyle, Jack Frost, Painted Lady, Kathleen Pantlind, Flora Hill, Mayor Pingree, Mrs. Geo. Bradt, Morello, C. A. Dana, Freedom, Saginaw, Victor, Jahn's Scarlet, Mrs. McBurney, Laura Vick, Nivea, Lily Dean, Daybreak, Wm. Scott, Ivory, Goldfinch, Jubilee, etc. etc.

GEO. HANCOCK & SON,
Grand Haven, Mich

NEW PELARGONIUMS.

The following new Pelargoniums of very recent introduction, will bring this class of plants to the front with a big jump. True florist or market type; compact habit, large and attractive flowers, easy growers, free bloomers. **Dorothy, Countess, Tommy Dodd, Champion, H. M. Stanley, Marie Mallet**, strong plants, 2½-in. pots, ready for 4-in., $2 per doz.; $10 per 100. 50 at 100 rate. Cash with order.
ROBERT SANDIFORD, Mansfield, Ohio.

OMAHA, NEB.

Trade keeps up well and it seems that Lent has but little effect on business. Stock is good and plentiful with prices steady. Easter lilies do not look so well as in previous years. The disease seems to be increasing every year. Peterson Bros. has the only stock which is not suffering from the disease.

Henry Peterson, of Florence, Neb., has some California violets which are unusually fine; no better were ever sent to this market.

The Trans-Mississippi exposition buildings are nearly completed. Mr. Ulrich, the landscape gardener of New York, has arrived to beautify the grounds. The weather is very favorable and the indications are that everything will be in fine shape by June first, the opening day.

At their last meeting the florists decided to give a ball before the end of the season.

J. J. H.

SPRINGFIELD, MASS.

Business has been quite brisk of late, and white roses and carnations have been rather scarce. The standard retail price of carnations here is 35 cents a dozen for the common varieties and 50 cents a dozen for the new ones. Among the new ones Conch Shell stands very high. It is a delicate light pink in color, built high in the center, fringed and very fragrant.

Charles R. Miller had the decorations for the assembly ball Feb. 22. Palms, southern smilax and bulbous flowers were largely used. Mr. Miller has a large stock of azaleas in bud and bloom.

The window decorations of Aitkin & Son are worthy of special note. They are exceedingly attractive.

W. F. Gale, now our city forester, is busy working on insect destroyers. His florist business will be continued under the supervision of one of his assistants. H. G.

EVERY FLORIST OUGHT TO
INSURE HIS GLASS AGAINST



FOR PARTICULARS ADDRESS
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Always Mention the....
Florists' Review
When Writing Advertisers.

A LETTER FROM WM. SCOTT REGARDING
GENESEE CARNATION

BUFFALO, February 8, 1898.

DAN'L B. LONG,

DEAR SIR:--You ask for my present impression of carnation Genesee, of which I am growing a bench of 1,200 plants.

Its habit of growth under glass is perfect and needing little support.

In size, purity of color, form and good stem, it leaves little to be desired. A random selected bunch of 25 flowers, picked on the 5th inst. for my retail trade, just as they grew, without any sorting, showed stems averaging 16 inches long, and blooms averaging 2¼ inches diameter. A very valuable feature is that in a hundred flowers there is scarcely one to discard as not up to standard.

Both last year and the present winter, it far outsells any white we have yet handled.

The most sincere result of my impressions is that next winter I shall grow it exclusively, for in my opinion its many and assured good qualities make it a commercial white superior to any that I have yet tried.

I am convinced that this fine white could be lifted with buds well advanced, thus ensuring flowers early in October.

My soil is a dark, sandy loam. One quart of bone flower to one barrow load of soil was used, but no animal manure. Yours very truly, WM. SCOTT.

12-Page Circular Free. DAN'L B. LONG, Sales Agent, Buffalo.

40 Fine Palms Ready for Sale

FOR $5.00

12 Latanias..4-inch pots showing two character leaves
10 Kentias.....3-inch pots
6 Corypha Australis.....5-inch pots, strong
6 Areca Lutescens.....5-inch pots, 5 in a pot
6 Areca Lutescens.....3-inch pots, 1 in a pot

All fine clean stock. Packed light, by express.

Rooted Cuttings of Lemon Verbena, Salvia Splendens Strong and well rooted, $1.00 per 100; $8.00 per 1000.

Coleus—Golden Bedder, Nelly Grant and others.....75c per 100
Extra strong.....$6.00 per 1000

Cash with order, please.

Critchell's
110 E. 4TH STREET,
Cincinnati, Ohio.

100,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants. $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR. J.L. DILLON, Bloomsburg, Pa.

TREE PAEONIA in only Choice Varieties; strong, 4-year-old plants, 50c. each....

Tree Roses, Snowballs, Hydrangeas, Clematis, Paeonia, Rhododendrons, Azaleas, Magnolias, H. P. and Moss Roses.

L. C. BOBBINK, Rutherford, N. J.

BRANCH OF THE HORTICULTURAL CO., BOSKOOP, HOLLAND.

LAST CALL....

FOR ADVS. FOR OUR

Special Spring Number

TO BE ISSUED NEXT WEEK.

Advertisements must be mailed at once to be in time.

THE REGAN ... PRINTING HOUSE ...

Nursery Seed Florists' Catalogues

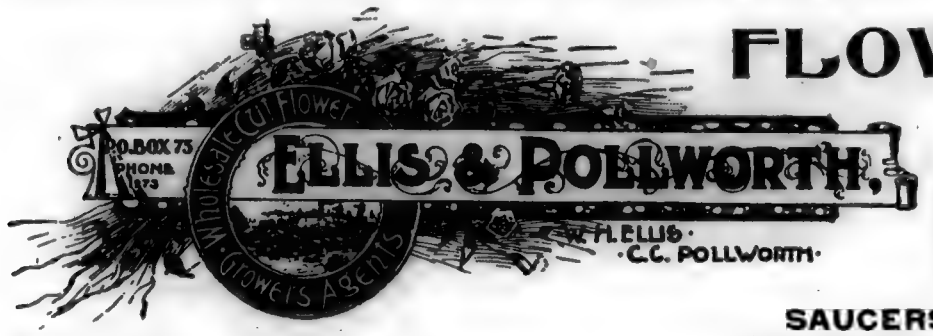
87-91 Plymouth Place, Chicago.

Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.



FLOWER POTS

Now is the time to get your Spring supply.

STANDARD POTS
Height and width inside.

		Per 1000			Per 1000			Per 100
2	Inch	$3.50	4	Inch	$ 7.50	9	Inch	$ 7.00
2½	"	4.00	5	"	12.00	10	"	8.75
2½	" 3 in rose	4.50	6	"	19.50	12	"	18.00
3	"	5.00	7	"	43.00	15	"	40.00
3½	"	6.00	8	"	60.00	17	"	60.00

Special Prices on Large Quantity or Car Load Lots.

SAUCERS.
Plain or Fancy Saucers.

4	Inch Saucers, per 100	$0.50	9	Inch Saucers, per 100	$2.50	6	Inch Fern Dishes, per 100	$3.00
5	" " "	.75	10	" " "	3.00	7	" " "	3.60
6	" " "	1.00	12	" " per doz	.70	8	" " "	4.20
7	" " "	1.25	15	" " "	1.50	10	" " "	6.00
8	" " "	2.00	17	" " "	2.00	12	" " "	8.00

FERN DISHES.
(Earthenware.)

Wholesale Dealers in all Florists' Supplies, and Growers of Palms and Ferns.

ELLIS & POLLWORTH, Milwaukee, Wis.

EVELINA

Is the grandest mid-winter carnation extant. This is the unanimous opinion of all who have seen it growing and predict for it a grand future. Surpasses Wm. Scott.

Send for Illustrated and Descriptive Price List of Evelina and Other Novelties.

R. WITTERSTAETTER, Sedamsville, O.

Experiences ....WITH Carnations

The next number, ready March 1, will be cultural as well as descriptive, and sent free to all applicants. I guarantee all cuttings sent out, and offer a Special Guarantee to all buyers of.....

Flora Hill and Triumph

ALBERT M. HERR
LANCASTER, PA.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

LAGER & HURRELL

Growers and Importers of

ORCHIDS

Correspondence Solicited

SUMMIT, - - N. J.



100 ACRES IN ORNAMENTAL TREES AND SHRUBS

Deciduous, Evergreen, Hedging, Vines, Bulbs, Tubers, Etc.

NEW 1898 CATALOGUE, 40 PAGES, FREE.

The. Wm H. Moon Co., Glenwood Nurseries, MORRISVILLE, PENNA.

ORDERS, PLEASE.

All the leading Carnations now ready.

	Per 100.
Geraniums named, our selection only, 2¼ in.	$2 00
Salvia Clara Bedman, 2¼ in.	2 00
Little Gem feverfew, 2¼ in.	2 00
Coleus, 20 best bedders, 2¼ in.	1 50
Lycopodium Dent'n, 2¼ in.	2 00
Tradescantia Multicolor, 2¼ in.	2 00
Alternanthera Aurea Nana, and P. Major, 2¼ in.	2 00

THE MORRIS FLORAL CO., Morris, Ill.

Carnations Chrysanthemums

New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.

Address

H. WEBER & SONS, Oakland, Md.

THE BEST FOR ALL Florists

ROSE LEAF INSECTICIDE EXTRACT OF TOBACCO

For Sale by Seed Stores.

For Free Pamphlet, write to Louisville Spirit Cured Tobacco Co. Louisville, Ky.

EVERGREENS...

Choice Specimens for Lawn Decoration.

Send for Descriptive Catalogue and Trade List.

SAMUEL C. MOON,
MORRISVILLE, - BUCKS CO., PA.

LAST CALL.... For Advs. For Our SPECIAL SPRING NUMBER

To be Issued Next Week

Advs. must be mailed at once to be in time.

When writing advertisers mention Florists' Review.

MADISON, N. J.

Morris Co. Florists and Gardeners held the usual monthly meeting on Wednesday last, President Dickham in the chair. It was our first visit since the new president's installation and he evidently means business, as evinced by that calm, persuasive, but all the same forceful ruling by which he brought discursive talkers back to the point of the motion. Co-operative purchasing of supplies was fully discussed and matters advanced in that direction by the appointing of a sub-committee to ascertain the lines of goods required, the number of members who favored the scheme and an approximate estimate of quantities.

Monthly exhibits at the meetings were talked about and it was decided to make them a feature, but instead of judging all exhibits on one scale of points, an idea suggested by Mr. J. Robertson found most favor, namely to have rose, carnation, herbaceous and wild flower classes, also for fruits and vegetables, the members to select any class they could compete in, and as far as competition was concerned to confine their efforts to the class entered for the entire season. Awards to be made to the most successful in the respective classes, at the end of the year. H.

A HANDSOME CATALOGUE.

"Choice selections in seeds and plants," is the title of the 1898 catalogue of F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., of which we have received a copy. The lists of greenhouse and hardy ornamental plants, bulbs, seeds, tools, etc., are very full and complete, and are freely illustrated by many handsome, original half-tone engravings of more than usual merit. It is a catalogue that inspires confidence and respect and is a fit representative of the well known firm that issues it.

NEW GIANT ESCHSCHOLTZIAS,
"The Golden West,"
50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Venture Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea., Cal.

STANDARD
FLOWER POTS..

In any quantity, and of the best quality.
Get my price list before ordering elsewhere.

W. H. ERNEST,
Station M, N. E. WASHINGTON, D. C.

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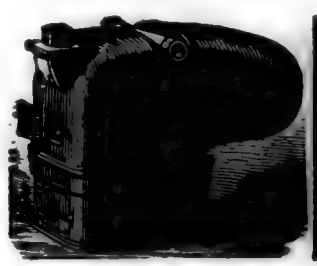
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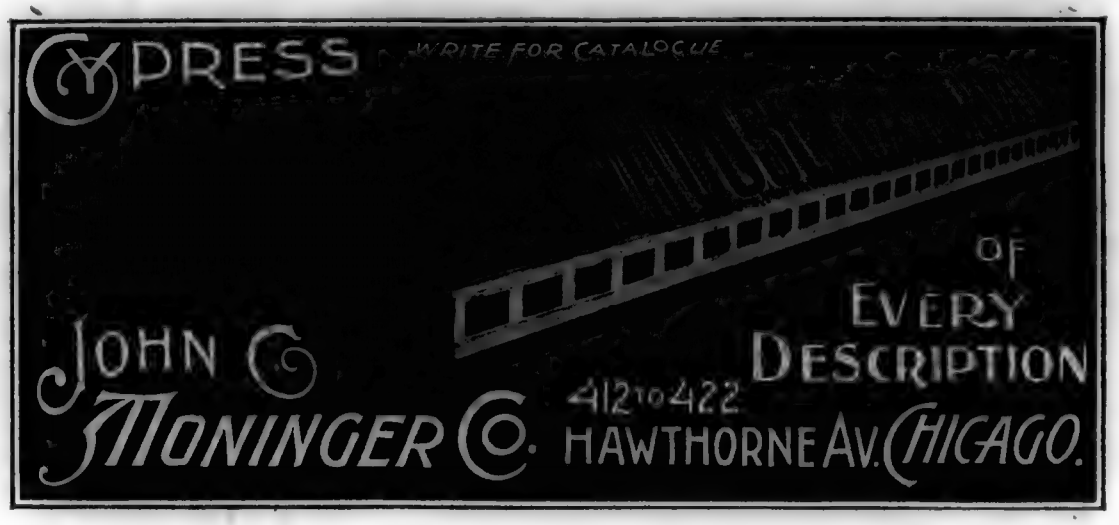
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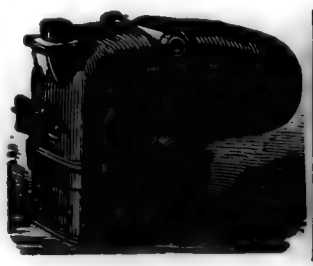
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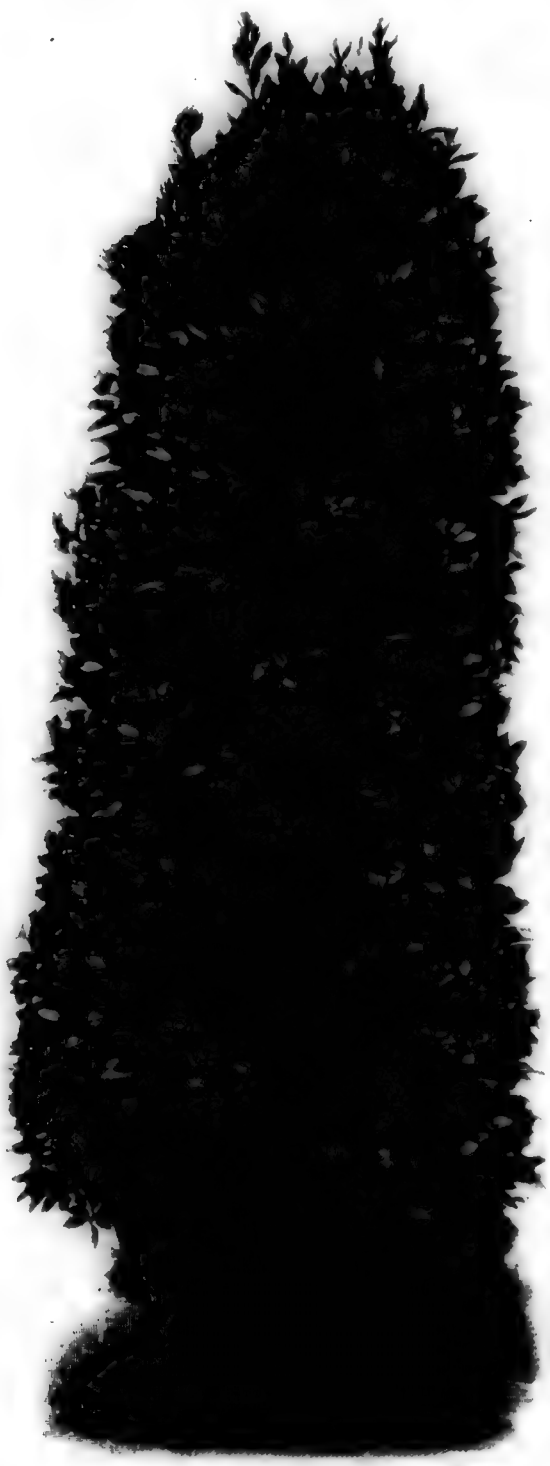
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THE WEEKLY

FLORISTS' REVIEW

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Vol. 1. CHICAGO AND NEW YORK, MARCH 24, 1898. No. 17.



THE SWEET BAY.

The Sweet Bay (Laurus nobilis) has been imported from Belgium to this country in large numbers the past 15 or 20 years. Although the rather stiff, formal shapes into which they are trimmed and to which they so readily conform are entirely inappropriate in the decoration of a drawing room, yet there are many situations where they have a striking effect and are certainly not out of place. A single pair of perfect form could be admitted to any church ceremony or at the decorating of a large hall. In the summer time a handsome pair stand—one on each side of the broad granolithic walk, leading to a stately mansion on one of our fine residence streets, and very fine their appearance is. Too much of it may get tiresome as clipped and grotesquely-shaped Norway spruces do if overdone, but the chronic grumbler who in his ignorant and prejudiced blindness objects to these handsome Bay trees because "they are not natural" should wade through water and live on porridge the balance of his days. Their formality sets off the brighter the natural grace of the birch, the elm, the maple or Linden and the more or less freedom of the hardy flowering shrubs.

Another place I found the Bays to be useful was when asked to decorate for a store opening and wagon loads of palms are expected. They are just the thing to fill up and a fine pair or half a dozen of them on the sidewalk is just what Mr. Goldstein wants to attract the attention of every passer by, and what could you put there equal in appearance and withstand the ordeal unharmed? Considering the years they must be grown, the labor entailed and great skill in producing such a large tree in such a comparatively small tub, their cost to us is, I think, very moderate.

It is often a surprise to us that such



a stout stem and large head of branches and leaves can subsist on relatively so small a quantity of soil. From early spring till fall they want an abundance of water. They are out of doors all summer, or should be, so the hose should play on their heads freely and over watering of the soil is about impossible from November to April. A cold shed will keep them in good order if it is not too dark and where they won't get more than 10 degrees of frost. Some let them get dry but less water will do than in the summer time.

The Sweet Bay is a native of Southern Europe. All good boys should have read in the good book that if they are righteous in their lives they will "flourish like the green bay tree." But they must not become a millionaire by keeping a department store or they will be more like an aged pumpkin, hollow, mushy and slushy inwardly. This fine evergreen grows well and is much planted in the milder parts of the British Isles. I expect that all over Ireland it grows finely and is seldom or never injured by frost. In the South of England it grows and flourishes for years, but a winter comes occasionally and kills it to the ground. Such a winter was that of sixty and sixty-one.

The best time for us to cut back growths or to keep it in that splendid form that they are sent to us, is in the spring just before they start to grow, but if you wished a still more trim appearance you would have to pinch the young growths as they develop. A new tub and more root room is needed every three or four years, but keep them in as small a tub as possible. Liquid manure will help them much in April, May and June. To those who have not made bows of their strong bottom growths or hunted rabbits beneath their branches, they may appear a cumbersome plant to occupy valuable greenhouse room. They don't want it. If never coddled up under glass they will stand 15 degrees of frost without harm, but rather give them a little higher temperature.

WM. SCOTT.



A. B. C. NOTES ON CYPRIPEDIUMS.

Our worthy editor made a pertinent suggestion recently, namely that something of the nature of an a, b, c article on cypripediums was desirable as it would better enable those less familiar with this great family of orchids to understand and appreciate such notes as may hereafter appear relating to the newer and rarer varieties. It is a matter of common occurrence now to read of the flowering and christening of some new kind raised by crossing others in cultivation and so numerous have these hybrids become, and so small the distinction of many, that one realizes the force of the remark often made by the casual observer: "All cyps look alike to me." Those here depicted are certainly in some instances strikingly unlike each other and make the above remark appear somewhat absurd, but there is much truth in it notwithstanding, owing to the too common practice of naming everything of hybrid origin, and manufacturing varieties by the dozen, from one cross and in some instances all out of one seedpod.

It is no great tax upon the memory to recall the period when the very possibilities of cross breeding among orchids were thought impossible, but the artifices of man overcame the obstacles of nature, with such success that now in this cypripedium family alone the varieties outnumber the original species by more than ten to one. The need for a, b, c notes therefore becomes apparent when there are more than one thousand recorded names of cypripediums and yet not one hundred of them have specific rank or exist in a state of nature.

The interest in orchids is annually increasing, both commercially and privately, but the chaotic state of affairs in the cyp. family is sufficient to strike dismay into the heart of anyone who would take it up at the present day and get an intelligent understanding of the different relationships in this vast assemblage. Even those familiar with past history and concurrent developments are asking "where we are" and "whither are we going." The only light that will effectually illumine the past and guide the grower of today still shines and is exemplified by the types and species that, in part, are here portrayed, showing their widely varying natural characteristics. In its natural distribution the cypripedium is cosmopolitan. There are hardy and tender species, to be found in North and South America, from Canada to Peru, in Europe and in Asia from Siberia to New Guinea. Some are terrestrial, that is grow on the ground like ordinary plants, all the hardy species being of this nature, but the majority are epiphytal, growing upon trees in the tropics.

With this much by way of introduction, we will now take a glance at the distinctive features of certain types and the reader who can see and fully grasp the purport of the succeeding remarks should be materially assisted in arriving at a better understanding of cypripediums and see how even the apparently disordered hosts we now have may be marshalled in orderly array to a degree, not absolute, but certainly comparative; as the work of the hybridist has resulted in the commingling of distinctive traits, with a resultant chain of connected links, a perfect sequence of variable intermediate forms that operate to the prevention of drawing hard and fast lines.

Taking first into consideration the American species, I will refer as a type to C. magniflorum in the picture. It is a variety of a Central American species named longiflorum, but you will readily observe in the flower a great likeness to the Mocassin flower, C. spectabile, of our own latitudes, only the latter is larger and more showy. C. Roezli and C. Schlimi are somewhat similar species and the intercrossing of these has originated some fine varieties. C. caudatum will be readily acknowledged a most unique cyp. and comes from Peru. The illustration shows well the character of the flower, those drooping tail like appendages being true petals, which have been known to attain a length of 36 inches, though usually they are not quite as long. John Dominy, the father of orchid hybridists, raised and is commemorated by C. Dominianum, the result of a cross between caudatum and caricium, whilst the impress of its parentage is manifest in other fine hybrids, like grande, Schroederae and Hardyanum.

C. insigne, now so plentiful and popular as a market cut flower, is one of the oldest Asiatic species in cultivation having been introduced from Nepaul early in the present century. Apart from its almost infinite natural variation, which has found expression in the naming of many of the most distinct varieties, it is also one parent of at least a hundred named hybrids in cultivation today. Whilst as I said on a previous occasion, there are those who deplore this mixing up and wholesale manufacture of varieties it is not fair to belittle the work of the hybridist with broad generalizations, ignoring the sterling acquisitions their work has secured to us. "Look before you leap," is a sound maxium, but some of our best acquisitions in cyps. partake more of the character of a leap in the dark, yet have turned out to be of far reaching importance. For example, when C. insigne was first crossed with C. Spicerianum, of which C.



Some Types of Cypripediums.

Hebe in the picture is fairly typical, no one foresaw or ventured to prophesy that this was the initial movement in the founding of a large and distinct group as beautiful as any in the whole cyp. family, yet all cyp. lovers will agree to the placing of C. Leeanum and its varieties in the first rank for beauty. C. insigne needs no description.

C. Spicerianum has a dorsal sepal almost entirely pure white. This characteristic is transmitted to all of its progeny in slightly varying degree, as showing marked likeness to this one of their parents. They will continue rare, too, as the natural habitat of Fairieanum is unknown and though large sums of money have been offered no collector has yet earned the reward by bringing home a batch of plants. Here is still a real golden opportunity, for the man that can find its home and get plants to Europe in live condition will strike a real paying "Klondike" that will "pan out" in hard cash.

C. Rothschildianum is well represented in the picture and a glance at its peculiar form and spidery petals will enable readers to understand the interest aroused a short time ago when a question of Rothschildianum hybrids arose. It is obvious that a flower so striking would transmit distinctive traits to its progeny, as indeed it has to such hybrids from it as have been flowered. It is a native of New Guinea and was introduced to cultivation by Sander & Co., of St. Albans, England, in 1887.

C. Curtisi, a species from Sumatra and here illustrated, has a bold and beautiful flower. It is one of the parents of two very fine American hybrids, as crossed with argus it gave Hurrellianum, and with Philippinense, Clinkaberryanum, besides which there are at least two dozen other cyps that claim it as one of their parents.

C. hirsutissimum is a beautiful species from Assam that has broad distinctions peculiar to itself and as plainly stamped upon any of its progeny, of which Alcides and Eurylochus, both described in The Review of Dec. 30, and Germinyanum, form a select trio, with about a score of others in existence hardly less beautiful.

C. tonso-villosum stands out as a prominent looking flower in the picture and is as bold as it looks. It is a hybrid of the two species that form its name, but with the villosum features so predominating that it was selected to typify that family. C. villosum is a beautiful, easily grown free flowering cyp coming from Burmah, is a parent of about three dozen fine hybrids, one of them, Pygmalion, being described in the issue of Dec. 30, whilst Harrisianum, nitens, luridum and Lathamianum all show its potency in the origination of lovely forms.

C. pavoninum is a hybrid representing C. venustum, this being an old species long in cultivation, easily grown, in a cool house and one that has filled a large part in the origination of hybrids.

Last, and least in size, but far from least in relative importance, comes the pretty little C. niveum in the left bottom corner of the picture. It represents the opposite extreme of C. caudatum, having a dainty close bui t flower with all its parts overlapping each other, the flowers of snowy whiteness except for a few irregularly scattered dots of color about the base of its petals and sepals. It was introduced from the Malay archipelago about 20 years ago. Together with C. bellatulum and C. concolor and their numerous most beautiful hybrids, they form a race of their own, of exceeding beauty, but they are mostly rare and require careful treatment. It is necessary to graduate in the school of ordinary cyps before one essays the cultivation of these precious gems.

A. HERRINGTON.

Madison, N. J.



View in Cattleya Trianae House at Lager & Hurrell's.

ORCHIDS FOR PROFIT.

"Does it pay to grow orchids for cut flowers?"

"Certainly it does if they are handled properly and the right kinds are grown."

Above is my first question and the reply to same by Messrs. Lager & Hurrell during a recent visit to their establishment. Though at Summit (N. J.) they commenced at the bottom of the ladder, and being exclusively orchid growers and importers I concluded they would be the right people to settle some often discussed and knotty problems as regards orchids for profit. What the florist is most interested in is whether the orchids that find ready sale can be produced at a figure that will leave a good margin of profit.

"What are the right varieties?" I asked.

"Following is a list of the best kinds for cut flowers and those marked with a * are especially desirable: *Cattleya Trianae, *C. labiata, C. Mossiae, C. Mendelli, C. Chocoensis, *C. Gigas, C.



Mass of Cattleya Trianae, grown on wooden block.

Percivalliana, Laelia anceps, *Cypripedium insigne, cypripediums in variety, *Dendrobium Phalaenopsis, *D. formosum giganteum, *D. Wardianum, *D. nobile, *Vanda caerulea, *Oncidium varicosum Rogersii, *O. splendidum, *Oncidium tigrinum, *Phalaenopsis Schilleriana, *P. amabilis, *Cymbidium Mastersii, *C. eburneum, *Odontoglossum crispum, O. Roezlii, O. grande, *Calanthe Veitchii, C. vestita rubro-occulata, Miltonia vexillarium, Coelogyne cristata."

"Does it require a special house to grow these kinds?"

"Emphatically no."

"What orchids will do well in a carnation house in the winter?"

"Cypripediums, coelogynes, cymbidiums, Miltonia vexillarium and Laelia anceps."

"What orchids will do well in a palm house during winter?"

"Cattleyas, dendrobiums, oncidiums, calanthes, phalaenopsis."

"What houses do they require in the summer?"

"Any house that is fairly shaded. Those mentioned for the carnation house will do well in frames, or even out of doors if supplied with shade."

"Which varieties do you consider the most difficult to grow?"

"Odontoglossum crispum and phalaenopsis, the former requiring the lowest and the latter the highest temperature."

"How do you grow your cattleyas?"

"Chiefly on boards and in baskets. We have dispensed with pots entirely."

"What are the advantages of boards?"

"Cheapness, simplicity, ease in handling and shipping, and the greater thriftiness of the plants, the latter due to the large surface for root action and approaching nature more closely than any other artificial means. The results are larger bulbs (even beating the natural growth in the woods) and superior flowers. We find the board system the best in every way."

"What size boards do you use?"

"Hemlock, 5x10 feet and smaller, with ordinary lath attached to the sides."

"How do you attach your plants?"

"By non-corrosive wire staples, placing a small piece of peat between them and the rhizomes of the plants."

"How do you arrange your boards?"

"In the middle bench at an angle of about 30 degrees, and about three feet from the glass. They can also be placed on side benches, or be hung up on the sides of houses."

"Do you advocate this for other species?"

"Yes, for laelias, dendrobiums, Oncidiums, odontoglossums, miltonias and coelogynes. For others baskets and small blocks are preferable."

"Do you feed your plants?"

"Yes, decidedly. Our baskets and blocks we dip in a tub of liquid natural sheep manure, and for our boards, in the growing season, we make a compost composed of three-fourths moss and chopped peat and one-fourth natural sheep manure."

"What are the results?"

"Better flowers, better bulbs and better plants. The system we have worked under has so far exceeded our most sanguine expectations."

"What do you consider the right temperature for cattleyas?"

"In winter 55 degrees at night with a rise of 10 degrees for the day. The summer heat can not be controlled so the outside temperature usually governs. Plenty of air should be given on every favorable occasion, both day and night, and in winter when the sun is strong enough to allow it. A slight shading should, however, be used to break the rays of the sun at all times."

"Is not watering a very great factor in orchid growing?"

"Not more so than with other plants. Too much coddling has been practised in this direction. We water our plants overhead and leaves and growths are alike wet in the process. It helps to keep down vermin and scale, and our plants have not so far suffered any ill effects. Of course watering shou'd be done early in the day to give the plants a chance to dry off. In the resting season, that is before and after



Freshly imported Cattleya Gigas, direct from the woods.

blooming, water should be given sparingly."

"How many blooms will one of these boards produce in a season?"

"An average of 40 to 50." (See illustration.)

"What is your average price for cattleya flowers?"

"Thirty-five cents each."

"Does this result satisfy you?"

"Yes."

"Do you grow any other species in quantity?"

"No, but we expect to and are now having plans made for a new house, 20x150."

"Do you think that orchid plants are getting scarcer in their native habitats?"

"Most decidedly. In collecting it is necessary to go much farther into the interior and large sections have been depopulated. And as the supply shortens the price must advance."

"What is the best time to import orchids, more especially cattleyas?"

"Any time. It makes no difference whatever, providing proper care is taken in packing according to the season."

"Would you be willing to answer any other questions about orchids and orchid culture through The Review?"

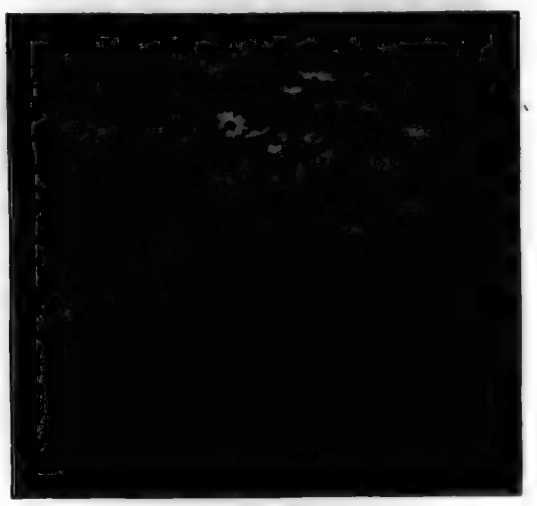
"Yes, with pleasure, for orchids are becoming more popular every day and we would like to refute some of the 'Bogie' stories that have taken root, and to dispel some of the mistaken ideas about orchids."

AGATHEA COELESTIS.

For years this deserving plant had not been mentioned in any of our florists' papers until early in January, when a short notice on a few trial plants grown for Christmas blooming appeared in The Review. Since then a number of articles on the cultivation and the uses of this plant have appeared in other papers, showing evidently that some of our florists at least appreciate the value of old things as well as of the newer introductions, and that I was not the only one experimenting in this line to possibly add more variety to the limited stock of flowering plants for Christmas sales.

There is no doubt that the agathea can be grown into large specimen plants, as intimated in one of the articles referred to, but in our northern climate we may never succeed in accomplishing it all in one year. Starting from a cutting, one year old plants will not be much over 10 inches or a foot high at the end of a season, even when planted out in the most favorable position and with the very best of care. Those plants 3 to 4 feet high and as much across, which we see in southern countries, are no chickens; they have been treated to repeated annual shearings and if we should try to grow such specimens here, I am afraid the grower would get discouraged with the size of his plants at the end of the third year. However, we will be able to grow handsome strong plants 12 to 18 inches high in two years, but then they should be planted out in the open ground and receive a liberal amount of attention. Their growth naturally is inclined to be short and compact, but occasionally a few straggling shoots may have to be shortened in order to keep the plant in shape.

In the fall we must pot them and if not wanted for blooming that same winter, a protected frame will be good enough to store them away in; they are almost hardy and can stand a few degrees of frost, in fact some years they come through in open border when slightly protected, but are not to be depended on as perfectly hardy. When planted out again the second year, the growth is stronger and quicker than in the first season. I would recommend to pot them up early in September and to keep the plants well syringed until the roots are again active and able to nourish and support all the foliage. With early potted plants no trouble should be experienced to get them to bloom freely by the middle of December and thereafter. Whether it will be a paying investment to grow these larger plants or whether we would do better to dispose of them the first season, remains to be demonstrated by somebody. I would prefer to sell one year old medium sized plants, but in larger cities there is a market for good sized specimen plants and often the price is not objected to if the stock is of the right sort. If we had the advantage of a mild southern climate (the same as that where your correspondent first



Agathea Coelestis.

cultivated these plants many years ago), our plants would grow continuously summer and winter and we could produce any desired size with very little expense, but when we have to winter the stock under glass, be it

even without heat, the labor and all et ceteras have to be considered, and the plants in the end may prove rather expensive to the grower.

The accompanying cut represents a little plant in a 5-inch pot, last spring's cutting; was grown altogether in a pot and received no extra treatment, in fact the little batch of plants was really neglected until towards the fall months, else the plants might have been larger. The photograph was taken shortly after New Year's, when only a few of the poorest specimens, sparsely flowered, were left, still even these have found purchasers since that time. K.

NERINES.

In those we have a singularly beautiful genus of greenhouse bulbous plants, the handsome flowers of which are produced in umbels on the top of erect stems about 18 inches long, which greatly enhances their value for decorative purposes. No flower that I am acquainted with shows up to greater advantage under artificial light than the subject of this illustration, the color of which is a beautiful harmony of very intense scarlet and yellow, which under strong light has the appearance of having been frosted over; in fact, all the varieties of this genus have the same characteristic to a greater or less degree.

They are very free flowering, but many growers have a difficulty in flowering them satisfactorily. To be successful with them the principal cultural details are to give due attention to the full development of the bulbs. The nerine will indicate its intentions of starting into growth by pushing up the flower spike when the bulb is totally devoid of foliage. This will occur in September or October, and the leaves will soon follow, so the plant will continue to grow throughout the winter, when they should have all the light and air possible to the exclusion of frost. They enjoy abundance of water at the root and overhead, with occasional applications of liquid manure, which should be continued right along until the plants show signs of finishing their growth by the leaves turning yellow. Then the water supply may be diminished until they ultimately dry off, when the pots should be laid on their side, where they are not likely to get wet, and let the bulbs have the full benefit of the sun for a few weeks. As the plants have made all their growth during the winter this ripening process is quite essential to insure flowers.

Nerines do not like to have their roots disturbed, nor do they require much rootroom; they grow and flower best when hard potbound. If three bulbs are placed in a 5-inch pot, in good maiden loam with the addition of a little sand, they are good for 5 or 6 years, and even longer, as the offsets can be rubbed off and potted and the parent bulbs go on increasing in size. Each year as the flower spike appears pick about one inch of the surface soil off with a sharp pointed stick, give the ball a good soak in water, and top-dress with a little fresh material.

The species of nerine has a wide distribution. They are found in South Africa, China and Japan, and the species that the trade is most familiar with hails from the Island of Guernsey. The following list are all beautiful kinds, some of which are garden hybrids: N. corusca major, bright scarlet; N. elegans, pink; N. elegans carminata, cerise; N. elegans coerulea, shaded blue; N. Fothergillia, scarlet; N. Fothergillia major, scarlet and yellow; N. humilis splendens, purple crimson; N. Plantii, deep crimson; N. pudica, white; N. sarniensis, "The Guernsey Lily," rose; N. undulata, flesh color; N. venusta, scarlet. J. ROBERTSON.



Nerine Fothergillia Major.

SOIL WATER.

The water in the soil contains the substance that, exclusive of carbon, goes to make up the structure of plants. A small portion of the carbon also comes from the soil, but the great bulk of it enters from the atmosphere where the carbon is always present, although in comparatively small quantities in the form of carbon dioxide. In short as the soil water is supplied with food elements so is the plant fed, that is growing upon that soil. It becomes, therefore, every grower of plants to consider the soil water.

First let us look at it in its relation to the soil, and then we will be the better able to discuss its relation to the plants that are drawing upon it for its sustenance. If we take a pot full of soil and add water to it in abundance it will shortly begin to run out of the hole at the bottom of the pot. The soil is saturated and that which is escaping is known as gravitation water and goes down and out, because of its own weight. In other words the soil can hold only a certain amount and all in excess necessarily flows away.

Let us begin the experiment in another way with a second pot of soil. It is dry, as it is termed, and placed in a flower pot and the flower pot is set in a large saucer to which water is added. Every grower knows what happens; the water is absorbed by the soil and after a longer or shorter time it is moist throughout. There is no gravity water present, but there has been much weight added to the pot of soil by water that has risen through the pores of the soil, just as kerosene rises by the same law of capillary attraction up through the wick of the lamp, or the dry towel may become wet by being hung so that only one corner touches the surface of water. This kind of water, taken up and held as moisture in the soil is called, from the law that permits it, capillary water.

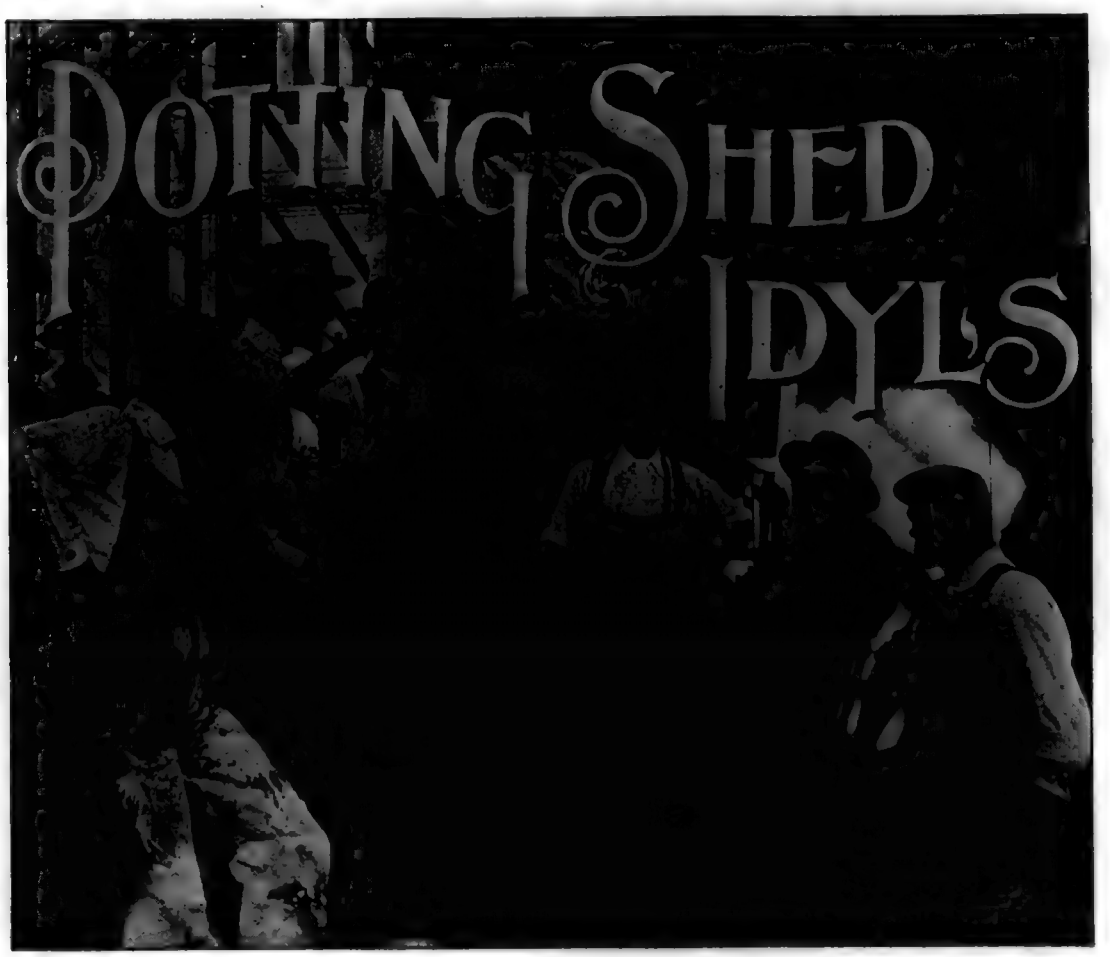
But the soil with which we started the last named experiment was not absolutely dry. While it was dry as dust to the hands there was already there a considerable amount of water, but in a condition not to be sensible to the touch. This last is held so closely by the surfaces of the soil particles as not to be affected by either capillarity or gravitation. A method of demonstrating the presence of this third form of water in soil is heat. When dry soil

is heated it loses weight due to this hygroscopic water, as it is termed, being driven off. To be sure it will soon absorb this invisible liquid, but the fact is shown that what seems dry is far from lacking in water.

The amount of the invisible water that gives the soil a moist feel, varies greatly, depending upon the character of the soil. Soils differ much in texture and composition, all the way from pure sand to vegetable mould. The sand is quickly saturated, possibly twenty-five per cent of its weight is all that will be retained without leakage, while upon the other hand a soil abounding in vegetable matter may hold twice its weight of water. The former is leachy, and quickly dries out. The latter is like a sponge and takes up and holds large quantities of liquid.

The addition of a small amount of humus to a sand will double its water holding capacity, while upon the other hand the mixing of sand with a peaty soil will render it more open and less retentive of moisture.

BYRON D. HALSTED.
Rutgers College.



THE PRODIGAL RETURNS.

Life is full of mysteries, and the manner in which Jaggs squared himself with the irate proprietor of the Lonesomehurst greenhouses remains one of them. All that could be learned was that "the old man" returned from New York one afternoon, accompanied by Jaggs, who wore an air of chastened meekness and the Scotch propagator's Sunday coat, the remainder of the suit of "blacks," having apparently journeyed to that bourne from whence Jaggs' overcoats rarely returned. The current opinion was that the boss had insisted that Jaggs should return to adorn Lonesomehurst long enough to work out the money obtained by his operations, being well aware that, so long as he was not paid, the culprit would be hardworking and contented. Jaggs, was a shining example of the deceitfulness of riches. The prodigal did not appear at supper, and the men had been grouped in the pottingshed for some time before he sauntered in, bearing a lop-sided gates-ajar and a couple of wreath frames. Nodding affably to his audience, he remarked: "Better get to work stemmin' alyssum, some o' you chaps. Here's another o' them bloomin' cold meat jobs, and the boss says as we're shy on McGowans."

The western fireman, who was not troubled with shyness, voiced the sentiments of the entire force by remarking: "Say, Jaggs, that was a hot touch you give the old man. How did you square yourself?"

There was no reply to this observation and a somewhat embarrassing pause was broken by a request from Jaggs for the loan of Davie's apron and overalls. "Might as well lend me your dish-habilly, old man, so as I won't soil your Sunday clothes afore I takes 'em off."

"My Sawbath claes!" interjected the indignant Davie. "Ye went awa' wi' a decent suit o' blacks, and see what ye come back in!"

The garments to which Davie pointed with righteous anger were rough tweeds of a subdued mustard color, the pattern being such a vociferous plaid that it awakened the embarrassing suspicion that the wearer might be wandering around in his pajamas. Jaggs patted Davie soothingly on the shoulder, remarking: "You needn't get hot, old chap. The only trouble with them togs o' yours was as they wasn't professional. See a florist goin' around in a black suit, and everybody thinks as he's nothink but a crape chaser. Ain't none o' you chaps got a pipeful o' 'baccy?"

The needed tobacco was not forthcoming until the advent of Tommy Atkins, who had been resting himself after the arduous duties of the day by taking the boss's fox terrier down to the barn for a rat hunt. "Ullo, old chap; 'ow's mermaids?" was his salute as he seated himself on the edge of the bench, and began to trim the brown edges off a dubious calla.

"Don't you get prunin' that there calla too much," advised Jaggs. "Flowers is flowers, this dark weather, and I've only got a pair o' rocky old Harrisii to give style to this here blessed old jail door. There's a nice lot o' Eucharis comin' on, only it 'ud be throwin' pearls before swine to use 'em for any chump as 'ud be guilty of orderin' a gates ajar."

Tommy dropped the calla, and began to stem white azaleas with much dexterity, occasionally humming a line or two of "My Old Dutch" in the liquid accents of Whitechapel. Finally he remarked:

"Well, Jaggs, you ain't told us yet why you chuck up the mermaid business. Is the market weak on flyin' dragons?"

"Dragons is all right, and mermaids is all right," responded Jaggs. "But it ain't a business for a chap as was brought up pious-like; you runs up against such a lot o' doubtful characters. There was one chap as used to supply sturgeon for buildin' mermaids—if you'd heard some o' the fish stories he tell you'd 'a' been shocked—I was myself."

"I should think you would be," observed the horticultural graduate who was now sufficiently educated to stem alyssum without calling forth any sarcastic comments. "You told me once about a place where you worked in Arkansas, and how you baited two miles of barbed wire fence with salt pork, just before the spring freshet, and caught 47 tons of catfish. What did you do with those catfish, by the way?"

"Sold 'em to a firm as makes pure Norwegian cod-liver oil," returned Jaggs, with a joyous wink. "But talkin' about fish, the rummest trip I ever took was in Ceylon, where they goes fishin' with a shot-gun."

"I reckon as I've 'eard o' that," observed Tommy Atkins, with a comprehensive stage wink which took in the entire audience. "That's where hoysters grows on trees, ain't it and the flyin' fish goes flittin' through the branches, along o' the dear little dicky birds?"

"I like to hear Tommy talkin' about the dicky birds, he's so bloomin' po-



Pteris Tremula Smithae.

etic," remarked Jaggs. "Flyin' fish is common enough. I got a lot of 'em when I was in Jamaica, and pasted 'em in a scrap-book as I sent home. What I'm talkin' about is them gobies-fish as goes hoppin' along the beach at low tide, catchin' snails, for all the world like a flock o' ducks waddlin' along huntin' caterpillars."

"What did you call those fish?" asked the graduate.

"Gobies. I first see 'em in the Fiji Islands, that time I came near bein' killed by that there man-eatin' tree, and there was lots o' them around Point de Galle, in Ceylon. Go splashin' around in shallow water, and blessed if them bloomin' fish don't jump out and go hoppin' along the mud to get away. Any chap as talks about a fish out o' water like he mean somethink awkward ain't seen a goby kitin' along lookin' like he belonged in a Christmas pantomime."

"There's only one drawback to your stories, Jaggs," observed the graduate; "you're always so fearfully matter-of-fact. I suppose any exaggerated fish story would be a real exertion to you."

"That's always been a failin' o' mine," returned Jaggs, with much humility. "Well, as I was sayin', a Belgian chap as was collectin' palms (not as he knowed anythink about 'em), asked me to go fishin' with him, and I see as he'd got nothink but a shot-gun. I says, 'Where's your fishin' tackle,' and he says, 'Where's your gun?' I says as I wasn't used to fishin' with a shot-gun, though I have gone duck-huntin' with a fish line, but if it was the custom of the country I was willin' to take a gun, which I did. When we got down to the shore, blessed if there wasn't a whole flock o' them bloomin' fish, hoppin' around after snails. You see their two forward fins is like reg'lar legs, and though I wouldn't call 'em graceful, they gets there just the same. I says to the Belgian, 'Surely, we ain't goin' to stand off and shoot them poor beasts—why not catch 'em in a Christian way?' He say, 'All right, old chap, you just catch 'em, and show me how it's done.' So I picks out my fish, a goggle-eyed fellow as was hoppin' after his dinner, and starts after him. I think as it was dead easy, but Lor' bless you, I wasn't in it one, two, three with that bloomin' fish. He'd just go skimmin' along, and rest on top of a stone, like he was surveyin' the landscape, till I gets near him, then he'd stand up wavin' his paws"—

"'Ow many paws 'as a fish, as a general thing?" inquired Tommy Atkins, innocently.

"I means his fins, o' course," continued Jaggs, severely. "If you seen them fish skippin' along the beach, you'd 'a' though as they had as many legs as a centipede. Well, I give up the race, and then me and the Belgian took pot shots at a covey of 'em, and bagged a dozen or so. But I can't say as it seemed sportsmanlike — give me a game fish as rises to a fly. Still, it ain't any worse than goin' fishin' with a shovel, like they do around Sierra Leone."

"I guess you're thinking about clams," remarked the graduate, with some scorn.

"Now, Johnny, why don't you take a lesson from them domestic animals," observed Jaggs, reproachfully. "A clam don't talk about things as he isn't acquainted with. As I was sayin,' the rivers in the outlyin' districts about Sierra Leone dries up occasionally—like Johnny, here—and the fishes burrows down into the mud and stays there. So, when a chap has a fancy for a fish dinner, he just gets his spade, trots down to the river, and digs up a mess o' fish, like he was gettin' up a bushel of potatoes. I sends a batch o' them fish home, along of some new orchids, and they was that pleased at the Royal Aquarium as nothink was too good for me. Just packed 'em up in lumps o' clay, and the bloomin' fish thought as they was in the river bed. Still, those fish ain't any greener than the climbin' perch. Ever heard o' them, any o' you chaps?"

"What do they climb—apple trees?" inquired the fireman, sarcastically.

"First time I see 'em," continued Jaggs, without noticing the interruption, "I was reachin' for an Angraecum as I see on a big tree, when I touch somethink cold and clammy, and my hair stands right up, for I thinks it's a snake. The thing gives a squeak, and scuttles along the branch, and I sees as it's a fish! It goes runnin' along the branch like a squirrel and then goes flop into a little creek below. Well, I says to myself, 'Jaggs, old boy, you must 'a' got a sunstroke, and be turnin' a bit dotty, or you'd never be seein' such things.' By and by I sees another of 'em waltzin' up the tree trunk like a chipmunk, and I see as he was eatin' caterpillars and reg'larly enjoyin' hisself. I got used to 'em after that, meetin' 'em all over the woods; when they get tired o' stayin' in one creek they just strolls through the woods to another. I caught one of 'em, and it got quite tame—blessed if that bloomin' fish wouldn't follow me around like a dog! Now, Tommy, if you'll hand over them callas, I'll put the finishin' touches on this here work of art."

"I say, Jaggs," observed Tommy, as the men hunted up their hats preparatory to leaving, "Ain't you never thought o' writin' true stories about animals for a Sunday paper? Seems to me as that's just the field for your talents."

PTERIS TREMULA SMITHAE.

The pteris family is one of the most prolific among the ferns in the production of odd forms, and the variety we now illustrate is one of the most interesting that has been produced by the well-known P. tremula.

The latter species has long been in use as a florist's fern, though rather too strong a grower to be very useful for small ferneries, and besides in a small state is rather brittle, but as a 4-inch or 6-inch pot plant P. tremula is very attractive, and for planting out on a rock-work in a conservatory few species are better. But in P. tremula Smithae we have a more generally useful fern than the type, from the fact that its habit is much more compact, while it grows freely and also comes true from spores.

There have been other crested forms of P. tremula introduced at various times, but none that I am aware of in which the cristate habit has been so

fully developed as in P. tremula Smithae, the fronds being shortened and crested on the tips of all the pinnae in much the same manner as those of Nephrodium molle corymbiferum. As noted above, P. Smithae propagates readily from spores, the latter being produced with much freedom on old and rather starved plants, and the seedlings soon show the same characteristics as the parent plant.

The young plants will make better progress if kept moderately warm, for example about 60 degrees, and all of the ferns of this family being strong rooting will flourish in good soil, that is, in a bright loam well enriched with old stable manure. As an exhibition plant, this variety is very effective, and is well worth growing as one among an exhibit of 25 ferns.

But in growing any of these crested ferns to a large size one needs to watch them rather closely, and to keep them away from any other plants that may be infested with scale or mealy bug, for the cristate foliage forms a first-class harbor for insects, and once they become dirty it is almost impossible to clean them again, without sacrificing the whole of the foliage.

W. H. TAPLIN.



ROSE NOTES.

Roses should now have a mulch, for the sun is getting powerful, not so much to stimulate them as to keep the bed from needing an almost daily watering, which they would do in sunny weather and only a few inches of soil. There is yet two months for your Brides, Bridesmaids and Meteors to flower. Two months, if not of the highest prices, certainly of excellent demand and prolific crops. Stir the surface of the bed very slightly, or you will injure many roots; perhaps a cleaning is sufficient. Sprinkle on a little bone flour, a quart to 100 square feet of surface of bench will be plenty, then cover with a thin layer of rotted cow manure. If it were at all fresh manure, there is great danger of ammonia arising from it, and if a bright but cold day came and you could not ventilate freely, you would run a great risk of burning much of your foliage. There is also a fungus that quickly forms on fresh manure, the spore cases of which, when bursting, throw the spores all over the house, covering the leaves and petals thickly with little black specks, and they stick, too, much disfiguring the whole growth.

If you have not been successful in rooting your young stock or neglected to do so, there is yet time, if you have good, healthy wood. I would rather have a plant rooted from a cutting during the last days of March than much of the stuff I see sent out by firms by the thousand, cheap, apparently, but dear at any price.

Crimson Rambler Rose.

There will be seen this Easter many a magnificent plant of this rose, and doubtless they will command a large price and outsell any plant, and worthily, too. If you want to have any for another year, don't wait till fall, for this is not the way to do it. Purchase from some reliable nurseryman the good home-grown plants they have to offer; get them within a few weeks before they are started. Pot into 7, 8, 9, or even 12-inch, pots, if extra strong. Don't buy any but what are strong, and don't haggle over a few cents in the price; 5 cents' difference in price this spring may mean a dollar next spring, and your labor has been identically the same. Cut out weak shoots, if any, and shorten back the strong growths to one foot. If grown under glass, they would need to be put out of doors in September to ripen their growth, but they could be started and grown entirely out of doors till you wanted to force them. From the growth of this summer you will get the flowers for next spring, and the roots will not be disturbed. There is time enough to give a hint or two about their management this summer. The important point is to get the plants at once, while they do not feel the moving.

Hybrid Perpetual roses you can buy of our American nurserymen in the fall and force most satisfactorily the following spring; but this gorgeous Rambler should be well established before forcing is attempted.

WM. SCOTT.

THE BERMUDA EASTER LILY.

Lilium Harrisii is as well known today as the rose and carnation, while in the early eighties it was unknown to fame. Today it is one of the largest revenue-producing products of the tight little island of Bermuda, and is to be found in all the flower marts and bulb markets of the world. Of late years, however, disease has wrought sad havoc, from what causes it is hard to tell.

Though on British soil, it was American pluck and enterprise that brought the Bermuda Easter lily to fame, and now, while we are in the midst of its season, it is appropriate that something be said of this lily, which has almost revolutionized the Easter flower market.

It is very interesting to look back and note the catalogues containing the early history, prices and press articles regarding it, and to make comparisons with today.

In 1884 bulbs 4 to 5½ inches sold for $12 per 100, while today one-quarter that price, including duty, would be considered a fair price. In 1882 the New York Times, in its report of the New York Horticultural Society's meeting, May 3, says that nothing attracted so much attention as the collection of Bermuda Easter lilies which was shown and awarded a first premium.

A Short History.

The exact origin of the Bermuda Easter lily has always been shrouded in doubt. What it was, and how it was carried to Bermuda, no one knows. The best evidence that can be gleaned would lead one to believe that it was brought from the far East by some of the early English governors, and, luxuriating in the soil and climate of Bermuda, was probably distributed among the inhabitants and became common in the different gardens on the islands.

At first it was supposed that it was nothing but the well-known longiflorum, changed by having been grown in the fertile soil and favorable climate of Bermuda. When the value of the lily became known, and the supply proved inadequate to the demand, large quantities of longiflorum were sent to Bermuda, to be grown there, with the idea that the stock could be increased in that way. The result was that a great deal of the earlier stock became badly mixed by such importations. Of course, it is now well known that Bermuda-grown Harrisii and Bermuda-grown longiflorum are entirely distinct, and both as grown in Bermuda quickly supplanted all other sources of supply.

When the lily was first introduced into Bermuda, no one knows, but its cultivation there, in a commercial way, began in the fall of 1881 by Mr. F. R. Pierson, of Tarrytown, N. Y., whose attention having been called to the fact that the lily grew in Bermuda,



A Field of Lilium Harrisii in Bermuda.

made a trip there in November, 1881. One or two scattering lots had reached this country previous to this, but to Mr. Pierson belongs the credit of having introduced the cultivation of Lilium Harrisii commercialiy in Bermuda. Up to that time no one had discovered its value or its great possibilities. It was grown only by the inhabitants as other flowers were grown, and was very popular in Bermuda, being used largely for the decoration of their churches at Easter, it being in full bloom in their gardens at that time. No one had ever thought of its value commercially, or that it would become one of the main sources of revenue to the islands. Mr. Pierson's attention was attracted to it in almost an accidental way. One or two lots had reached the United States prior to this time. W. K. Harris, of Philadelphia, a few years previous, had received from a friend in Florida a few bulbs which had probably come from Bermuda, and had undertaken the culture of them in his greenhouses. Mr. Joseph Kift had also obtained a few barrels of these bulbs, direct from Bermuda, in the summer of 1881, which were distributed among a few of the florists here for forcing purposes.

During the fall of 1881 Mr. Pierson received a bulb from a friend who was living in Bermuda. He made a trip to Bermuda in November of that year, and it was due to this trip at this time that the cultivation of the Bermuda lily was begun in a commercial way in Bermuda. Recognizing its great value, and also the well-known fact that the bulbs were produced in the greatest perfection when grown in a soil and climate particularly adapted to their nature, Mr. Pierson made arrangements at once to undertake their cultivation in Bermuda, and entered into a partnership agreement with General Russell Hastings for the cultivation of Lilium Harrisii in Bermuda. The first bulbs offered by them for sale in this country was in the summer of 1883. The bulbs sold in those days would not be handled now, being what are now known as 4-5's. All the stock that could be obtained from the different gardens was secured, and the cultivation of the bulbs was at once begun on a large scale. The trade was quick to discern the value of this lily, and the supply was never equal to the demand, owing to which fact the bulbs brought high prices, making their cultivation a very profitable industry. This prosperous condition of the Bermuda lily business continued until about 1894 or 1895, when the output largely exceeded the demand, in consequence of which prices dropped below a profitable point. In 1896 the number of bulbs grown amounted to upwards of 4,000,000. Since that time the cultivation of the lily has been very largely curtailed and prices have advanced slightly each year.

The Bermudians soon found out that there was money in growing the bulbs, and one after another of the farmers there began the cultivation of the lily, adding constantly to the supply, until almost the whole island was one lily field, and until this industry had become one of the main sources of revenue in the islands.

Our illustration shows a field of Lilium Harrisii growing in Bermuda.

H. A. B.

NOTES FROM HINSDALE.

In addition to roses and carnations Harrisii lilies are a great specialty with Messrs. Bassett & Washburn at Hinsdale, Ill. They have been so fortunate as to have but little, if any, trouble with the Harrisii disease as yet, and their loss this season from the disease will not exceed 5 per cent. And they have taken no special precautions. They will cut about 25,000 blooms for Easter. They have found a larger percentage of diseased bulbs among their Japanese longiflorum than among the Harrisii. They are not at all satisfied with their experience with the Jap longiflorum, which do not grow strong enough, and produce many less blooms to an equal space.

They have several lots of sweet peas coming on and one batch will evidently be in good bloom for Easter. They are planted in solid center beds.

In one house was noted a lot of fine young stock of the new chrysanthemum, Mrs. O. P. Bassett. These are being grown for the F. R. Pierson Co., Tarrytown, N. Y., who are to introduce it. It is a yellow sport from Mrs. H. Robinson.

A house of Adiantum cuneatum that has produced freely for years is no longer giving satisfactory results. The plants do not seem to start good growth again and the fronds produced are small and without substance. They think the trouble is due to the previous close picking of fronds from the plants and will this year throw out the old stock and take a fresh start with new.

A house of smilax has been very profitable this season. They have cut four crops from the house during the season and all has sold at good figures.

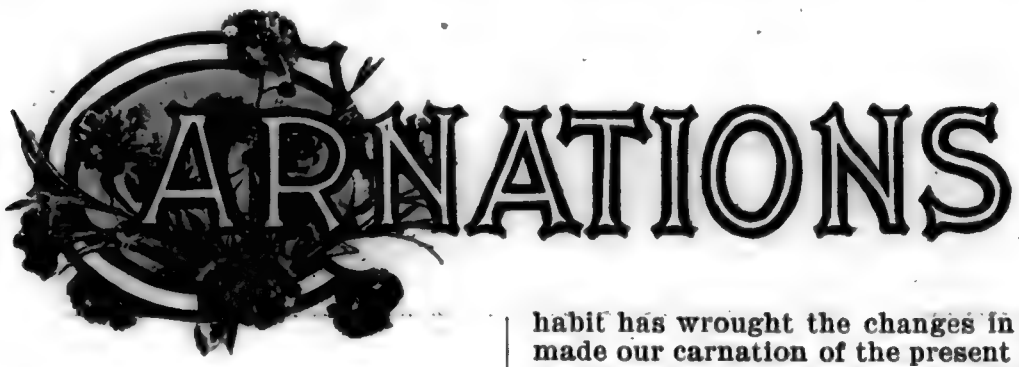
They are now using coal for fuel entirely, having discarded crude oil altogether. The increase in the price of oil made the coal the most economical. On the place there are seven boilers, two of 150 horse power each, four of 100 horse power each, and one of 75 horse power, making a total of 775 horse power. Heating is by steam.

Artesian water is used and it has given perfect satisfaction except that the small amount of lime it contains sometimes spots foliage a little, especially the smilax.

Perfect apparatus for distributing liquid manure is provided. Cow manure is used mainly.

An improvement that will be added this season is a long shed in which soil and manure can be stored.

In marketing their product Messrs. Bassett & Washburn have noted a continued increase in the call for the higher grades of stock though prices have averaged more moderate.



THE EVOLUTION OF THE CARNATION.

It is well once in a while to give a backward glance, for thus we better realize where we are at now. The cultivation of the dianthus, of which our present carnation is an offspring, originating in the course of the evolution of this plant specialty, dates back centuries, beyond the resources at our command; it is shrouded in mystery.

To give an example of the evolution of a plant specialty, I will name one of more recent date, the dahlia. It is only a century ago when the first plants, a single red variety, were brought from Mexico to Spain, from where it found its way to other parts of Europe. And what has wrought this wonderful change in that genus of plants? Culture only. I remember so well when a boy running through the meadows of my native valley, in the black forest mountains of Germany, hunting for early spring flowers, one of them the common meadow daisy (Bellis perennis). I delighted in transplanting some of these single blooming plants from the meadows into the garden and watch the effect on them. Invariably the second year they generally developed into double flowers. The blush color in some changed to a deep pink, in others to a pure white, all the result of cultivation.

The dianthus, or common pink, underwent the same changes, the cultural treatment consisting first of all in an improved mode of cultivation, and next cross fertilization. The crossing of the extremes in color, form and habit has wrought the changes in and made our carnation of the present day. An improved higher cultivation is and will be the foundation of all improvement. We may make crossings with all possible care, grow seed, but lack in a careful, judicious cultivation, and the results will be a going backward, a tendency toward primitive conditions and with a more rapid gait than were our forward strides.

Under a common ordinary culture, seed growing is a much easier matter than under a high culture. All our improvements in color, size and flower, ever-blooming habit, stronger stem, in fact all the requirements of the present time, we have, so to speak, to wring from nature itself. She is rather unwilling, and often calls a halt, as most every grower of new varieties has evidence in the imperfection or total absence of one or the other of the sexual organs, refusing to produce seed, and closing the only means of further development. It is only necessary to call attention to the many thousands of seedlings grown every year and point to the very few that in the end will show an improvement over existing varieties, to realize the task of producing new ones. The tendency to return to primitive naturalness is very strong and any lack in cultural treatment will promote it.

When we look back, when we consult the history of this genus of plants, as far as it is traceable, we are overwhelmed with the wonderful changes, evolutionary changes, that required centuries to bring about. To all appearances, the color of the primitive variety was a purplish pink, single flower, often found yet among seedlings; and now look at the array of color, and size and form of bloom. The change in their habit is even more remarkable; from their short time of blooming, as yet shown in the garden pink, they have developed into ever bloomers. And I ask again, what has wrought these changes? Culture only.

To come from these backward glances to the present: All the fundamental principles in the evolution of the carnation that have been paramount in the past are still so in the present, and will be the same in the future. If we lack in our improved mode of culture we will go backward; if we do not further improve it, we will stand still. It is not alone the originating of improved new varieties wherein progress is manifest, it is as much the judicious mode of culture to sustain them. Nature may endow a new variety with a larger bloom, a stronger stem, and more freedom in blooming, a point so much desired at present, and if one thinks he can train such a variety down to an ordinary culture and retain all these qualities, he reckons without mother nature. To cut away two pounds of solid growth, consisting of stem and blooms, from a variety, with only the same allowance of cultural care and nourishment one will give another variety to grow one pound, is the same thing as when one expects an equal amount of work from a horse only half fed as from one that receives its full quota.

What is culture but a judicious supply of all the requirements a plant needs for its fullest development? and one of the foremost of these is the supply of nourishment to the full extent that a plant is able to assimilate. We can never expect a plant to grow and bloom to its fullest capacity when the elements that enable it to do so are not within its reach. It is amusing to remember, when at the beginning of the decade new varieties and larger, better blooms appeared, incredulous growers attributed it solely to a high manuring. They did not then admit a better care had its share also. But when the higher manuring (we say now feeding) and better care were improved upon, and became more judiciously and advantageously applied and still better results were obtained, they woke up to the necessity of following suit or stop growing carnations. And yet there is up to this date some that cannot make up their mind to deviate from their mode of cultivation of twenty years ago.

Our present stage of progress is not yet understood by many. They cannot comprehend where we are at. We arrive at phases incomprehensible to many. Chief among these is the scant production of suitable regulation cuttings by some of the newer free blooming varieties; even when the production of flowers is not greater in number it is certainly so in size of stem and bloom. The young growth matures earlier, assumes the formation of buds at once, and the result is that

many of these supposed regulation cuttings will push out buds before they have otherwise made any growth. But, according to my experience, when these buds are removed, as soon as there is any sign of them, and the cutting is well rooted, it will break at the lower joints, and make a bushy plant in a short time. My impression is that is only an indication of free blooming and should not be confounded with varieties that are croppers.

We can hardly conjecture what the future will hold for us. We will certainly not go backward, and we will not stand still. Our course is forward and onward. The growing of new varieties has a fascination that will be proof against any relaxation on that line. The danger of any diversion lies in the slow advancement of cultural improvements. One of the boldest, and to my impression the most far-reaching scheme in this line, is the subwatering as recommended by Dr. Arthur, of Purdue University. The more I think about it the more favorably I am impressed. It attacks the weakest point of our system of cultivation, and if predictions go for anything, it will revolutionize carnation culture. The greatest obstacle to all such improvements is the cost, but when once fairly tried and expectations are realized, the cost becomes a secondary matter. Our achievements of the past decade



Portion of a Bench of G. H. Crane.

NEW CARNATIONS AT DORNER'S, LA FAYETTE, IND.

are equal to the work of centuries before. We must not retard, our course is forward and onward.

FRED DORNER.

NEW CARNATIONS AT DORNERS.

Those who have been fortunate enough to have had the privilege of visiting the establishment of Fred Dorner & Sons Co., Lafayette, Ind., will bear me out when I say that it is a rare treat to see such fine carnations as are to be found here, and to meet with such a cordial reception from the members of the firm. One cannot but appreciate the hospitality which is so freely shown and feel like saying "it is good to be here."

Although a resident of Lafayette and so able to visit this establishment at any time, the writer feels that each visit has been more pleasant and profitable than the preceding one. On a recent visit I was so much impressed with the vigorous growth of a bench of White Cloud, and of G. H. Crane that I decided they were a sight well worth photographing. The necessary permission was cheerfully granted and the accompanying photographs are the results.

The White Clouds occupy a center bench in one of Mr. Dorner's 125 ft. houses and were photographed from the east end. The readers of The Review are doubtless more or less familiar with this variety, but perhaps a word or two here may not be amiss. It is one of Dorner's seedlings from Daybreak. In growth it is similar to the Daybreak type, though much heavier and averages more blooms per plant. It shows no tendency to crop, being a free continuous bloomer. The flowers are large, pure white, and supported on rigid stems twenty-four or more inches in length. The calyx is very free from bursting. White Cloud is being introduced to the trade this year, and will undoubtedly prove a money-maker to the florist, as it is unquestionably one of the best whites grown.



Bench of White Cloud.

In connection with what has already been said the writer wishes to call the attention of the reader to the photograph once more, observe if you will how every inch of the bench space is occupied by the plants, and bear in mind that these plants are set one foot apart each way. It is evident from this, that the plant is a vigorous grower when given the proper cultural conditions.

G. H. Crane is another seedling of Mr. Dorner's which bids fair to take a prominent place in the list of scarlet carnations. The flowers are large, averaging about three inches in diameter, calyx good, stems erect and stiff, length fifteen to eighteen inches. The plants are strong and vigorous, the foliage being covered with a heavy bloom, which gives them an unusually healthy appearance. At the recent exhibit of the American Carnation Society this variety was awarded a certificate, scoring ninety-two points. It will be introduced to the trade next year.

Special attention is here called to Mr. Dorner's system of supporting his

plants. The stringing for the support of the shoots and flowers is well shown in the photographs, especially in plate II. The inverted V shaped wire netting supports which rest upon the soil between the rows of plants are not, however, quite so well shown in the photograph, being obscured by the foliage of the plants. This is by no means the most insignificant part, for they serve not only to keep the lower foliage of the plant from contact with the soil, and admit air, but also afford an easy method of applying water to the soil without wetting the foliage.

Not the least interesting feature about the place at this time is Mr. Dorner's seedling house, in which several hundred varieties are being carefully studied. Mention might also be made of the propagating house, which is now being pushed to its utmost, in order to fill orders for rooted carnation cuttings. It is needless to say that everything about the premises and greenhouses betokens thrift and cleanliness, evidencing the fact that the firm of Dorner & Sons Co. attend to the minor details of their business as well as to that of the larger ones.

WM. STUART.

Exp. Station, Lafayette, Ind.

Miscellaneous Seasonable Hints.

Correction.

In my notes under this head of two weeks ago, I remarked that to bring in lilies and other plants just right for Easter you would have to resort to forcing, retarding and maneuvering. Unfortunately it got into print to read "manuring." Holy farmer, I trust those that do me the honor to read my lines will not think me guilty of using by intent such a misapplied word. The word maneuvering is just what I meant and fills the bill exactly, while manuring is both senseless and misleading as applied at this late date to any Easter crops. Perhaps it was the editor's fault, but the original sin lays at the door of an old man whose feeble pen wags in uncertain characters.

Azaleas.

Anything that can be said now about Easter crops will be of little avail; still to use that word once more, quite a little maneuvering can and will be done. The mild, beautiful and unprecedented weather that we have had since the first of the month has upset all calculations. Hyacinths are flowering outside almost, and if they are brought into the greenhouse by the 28th or 29th of this month they will be in ample time. Azaleas have come along much faster than we wished or expected. This is particularly the case with that well known sort, Madame Van der Cruyssen. We are removing them to a cool, light cellar and placing them so they can be carefully and properly watched for watering and tissue paper thrown lightly over them. You will notice that Van der Cruyssen has far more flowers than the plant can well develop without being sadly crowded. When removing them to the cellar, or if you don't have that convenience, beneath a bench in a cool house, you can pick off the flowers that are now expanded. They never will be missed, there are plenty more to come, and you will be giving them a good chance to develop; otherwise the open flowers may rot and injure those to come.

Lilies—Acacias.

The wonderful weather has brought Harrisii lilies along a little previous, but has also helped longiflorum to get there in fine shape. I would not remove any lilies to a very cool, shaded house until the earliest buds are about to open, then they can be as cool as you like. With the glass shaded, ventilators open day and night, if possible, and only enough fire heat to keep dampness out, you can keep lilies, spiraeas, lilacs and other plants about standing still. The beautiful Acacia armata, of which there were fine plants imported last fall, is with us a trifle early, although kept very cool all winter. They can be kept near the freezing point, but should not be damp, or their beautiful little globular flowers will decay.

Hydrangeas.

If your hydrangeas are well advanced in bloom, two weeks in a cool house will harden them up and help to make them more satisfactory to the purchasers. If you sell any of these forced hydrangeas, it will be good for your reputation if you will attach a ticket to each, reading: "Please water this plant every hour while awake."

Pansies.

The advice I gave some weeks ago about lifting pansies from the bench and putting half a dozen in a 6 or 7-inch pan has turned out with me very satisfactory, and they will be attractive and sell well. Don't let the flowers remain on a pansy plant; it does not last long, so keep the flowers pinched off till within ten days of Easter; you will have more when you need them.

Alternantheras.

It is a good time now to propagate that high-colored little plant, the alternanthera. If you have an abundance of old plants, you can tear them to pieces; every piece with the slightest bit of root attached will make a plant. But if you wintered them in flats, propagated in August, you can now put in the tops, and by the time they are ready to pot off from the sand, it will be time to have some hot-beds to receive them and the plants from the flats. A hot-bed is the only place to grow the alternanthera.

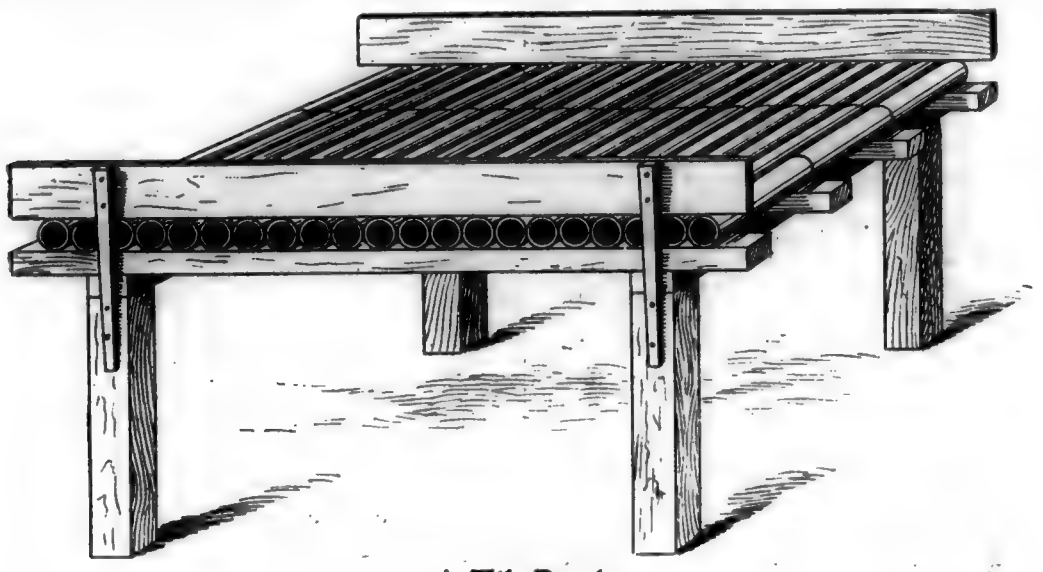
Tuberous Begonias.

It is now time to put your main lot of tuberous-rooted begonias in flats in a couple of inches of sand, or what I prefer, an inch of sand on top and an inch of rotted manure below. By the middle of April they will be large enough to pot, and a mild hot-bed is the place for them. They will then have six weeks to grow, and the last two weeks the sash can be removed, which makes the proper conditions to prepare them for the flower bed.

Herbaceous Plants.

If you grow herbaceous plants and your customers want any, don't delay planting after the ground is dry. Most all our well-known plants of this kind put up with very rough treatment, but remember, when transplanted, when they are almost dormant, or before they have made a start, they will scarcely feel the change at all. And don't spare the labor to dig deep and manure heavily. I have occasion to remove and give more room to several hundred paeonias. The ground is stirred one foot deep, and all the manure I can possibly work in, and the paeonias will be planted four feet apart each way. All herbaceous plants should have this liberal treatment, not all, of course, needing as much room. We call these herbs perennial, which is near enough, but they are far from being perennial as is an oak tree, and every few years want lifting, dividing and new earth and surroundings. If not, they get exhausted and dwindle away.

The perennial phlox is one of our best herbaceous plants, although I am sorry to say not of great use when cut, dropping the petals sadly. I have been told by one of our best known and widely respected florists that the Frenchmen grow the phlox as a pot



A Tile Bench.

plant, and sell great quantities during the summer. The variety known as "The Pearl," a beautiful white of rather dwarf and stout habit, is a good one for the purpose. To get them early, a clump could have been lifted in the early winter and kept dormant till February, then started in a little heat, and any amount of cuttings procured. It is not yet too late. Put the young growths in the sand; they will root readily, and can be shifted as they need it, but must be often pinched, to keep them from flowering and make them bushy and shapely. In June they would be in 4, 5 or 6-inch pots, or as large as you want them to grow. When they are compact plants, stop pinching, and you will soon have a handsome little plant, covered with flowers. Any variety can be treated thus, but Pearl is such a grand flower and so well known that it is a good one with which to give this plan a test.

WM. SCOTT.

TILE BENCHES.

We present herewith a sketch of the tile bench now largely used by Messrs. Bassett & Washburn, at their large establishment in Hinsdale, Ill. They are so well pleased with this style of bench that during the coming summer all of their remaining old style benches will be replaced with those of tile. They find the first cost of the tile bench 25 per cent to 30 per cent greater than the wooden bench, but a vast sight cheaper in the end as well as giving much more satisfactory results. While the drainage is perfect still the soil will not dry out so completely as with the board bottom bench. And benches that have been in use three years (the average life of a wooden bench here) are apparently in as good condition as ever. Mr. Bassett believes the benches will last as long as the houses.

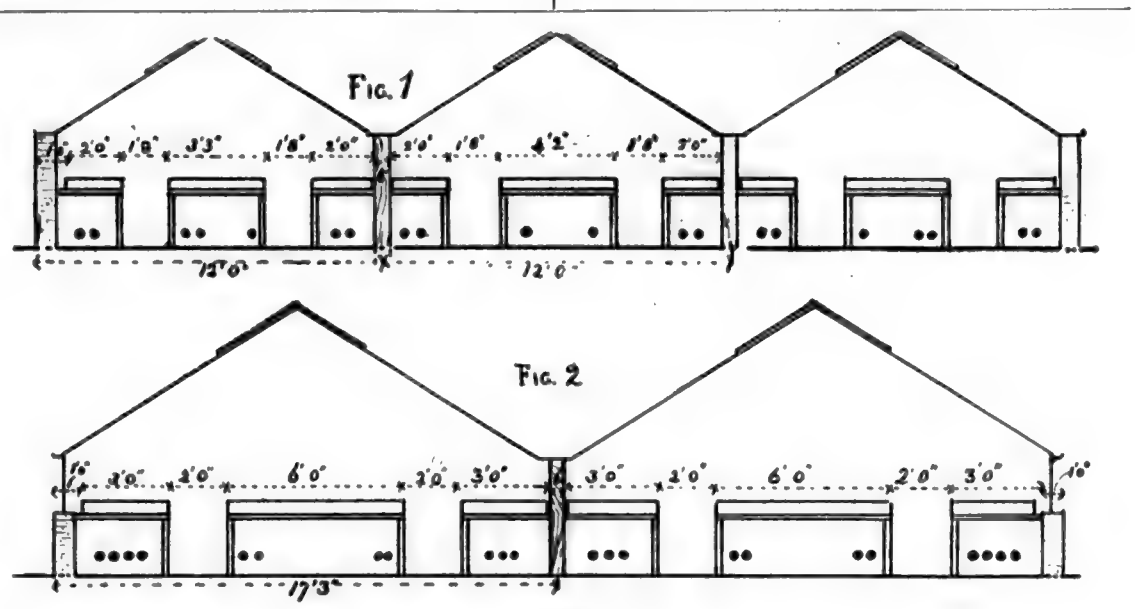
The benches rest on cedar posts placed four feet apart. The cross pieces are 2x4, and the stringers upon which the tile rest are also 2x4. The tile used are 3-inch. The 2-inch would be slightly preferable, but the 3-inch cover so much more space for the same amount of cost that they are much more economical. On these benches five inches of soil are placed, as the drainage is so rapid this depth can be safely used, and depth is considered desirable where the drainage is such as to warrant it. The tile are a trifle over one foot long and three lengths are used on a side bench, five lengths being used on a center bench. Occasionally a few of the tile are broken in changing the soil, but this breakage is so infrequent that the expense on this account is insignificant. They have already used some twelve carloads of tile (the common porous drain tile) on their benches and would not think of building any other style of bench.

wide, I would suggest an arrangement of benches and 2-inch heating pipes as shown by Fig. 1, but a range of such houses would not be economical, as the cost would be considerably more and the bench surface much less and less convenient than if the houses were made wider. I would suggest his building only two houses and making them about seventeen and one-quarter feet wide, with bench and heating pipes arranged as shown in Fig. 2.

For the heating of either range, I would advise hot water in 2-inch wrought iron pipes as being the more desirable and the more economical in working, the arrangement of the running pipes being clearly shown in the cuts. The arrangement of mains and their capacity cannot be stated until it is decided as to the make and style of boiler to be used, and the exact location of same. I would place the boiler at the north end, opposite the center of the ends of the houses and connect to a chimney having a flue 12x12 inches and about 15 feet high above the floor of the houses. The boiler should have a grate surface of not less than 5 square feet, with its heating surface in proportion. Whatever boiler you decide upon using, be sure to procure one in which all flues and inner parts are readily accessible for cleaning purposes.

HENRY W. GIBBONS.

New York.



Heating.

HEATING.

I am about to build three greenhouses, each 12x100, for carnations. Which will be the most economical heating system, hot water or steam? What boiler and how many horse power? Size of pipe? Bottom or overhead? What would be best arrangement of benches? Houses are to be connected, but the space under the gutters will be open. Houses even span, with brick walls. S. H. E. M.

In answer to S. H. E. M.'s enquiry, should he decide to build the three carnation houses only twelve feet

GREVILLEA ROBUSTA (SILK OAK).

A subscriber asks from some one of experience with these trees whether they should be "stopped" or pinched at any time of their growth, and adds that he now has a lot which are 16 to 18 inches high and in 4-inch pots.

If they were sown in September they would be about a foot high now and would not need pinching. Those were likely sown in March or April and perhaps kept rather warm and grown rather long. They are best pinched, that is, just the top of the leading shoot picked out, when they are 7 or 8 inches high. It depends a good deal

on what you are going to do with these plants. If for vase or veranda boxes I would just pinch the top off at once. If you intend to keep them over as a decorative plant, cut off four or five inches of the top and give them a larger pot and room to grow when they make lateral growth. This grevillea is a pretty useful tree when quite small, but when large is coarse and not worth room in the greenhouse.

W. S.

LYCHNIS SEMPERFLORENS PLENISSIMA.

I send a photo of a few sprays of Lychnis semperflorens plenissima in a small vase. The flowers were gathered from little plants, divided into single crowns in the second half of January and not yet fairly established at the time of writing (Feb. 22). On older plants sprays are much longer and more branchy. Our stock out doors was nearly all disposed of in fall and we had to divide the housed plants to supply us with plants for another season. When I wrote the article published in The Review (Feb. 10) we had no flowers on them, else I would have furnished the print at that time, but the fact that the weak, little crowns are now again in flower is another evidence of how persistently this plant will send up flower stems and how readily it responds to a little care, though the same bench and soil was used where the old plants had flowered up to January, only a small quantity of well decayed manure having been added to the soil. In another month when all the plants will have gained their normal vigor, we may expect sprays twice the size of those shown here and I would perhaps have been able to furnish then a much better picture, but the general appearance and the size of the flower itself would not be any different. As I was requested to send in the photo at the earliest possible date, I did not want to wait until they were really at their best; at some other time we may be able to furnish a better picture. K.

VIOLET NOTES.

It is to be supposed that all persons who grow violets to any extent are exerting themselves now to hold them in good shape for Easter; after that they are practically valueless, anyway.

March, with us, has reversed the order of her usual behavior, and we have come unceremoniously from our cloudy, cold weather into such weather as we ordinarily expect in late spring. As a consequence we have had to shade again heavily, and in addition to that have had to run with the doors and ventilators wide open; in fact, have left them so quite a good many nights, even though the thermometer reached the freezing point about morning. However, this is the only way possible to keep the plants blooming as they should till Easter; by this I mean large, full blooms. Of the small semi-double there will be no lack for the balance of the season. Our fires have been out for some time, and the probability is that they will not have to be started many more times, unless we pay heavily for this spring weather a little later.

There is one point to be avoided at this time of the year that does not come so prominently into notice earlier, and that is having the sun come out on the flowers when there is any water standing on them; the result is faded, worthless, bleached flowers. We consider the best time to water, to avoid this, is after the sun gets low in the afternoon, and yet early enough so



Lychnis Semperflorens Plenissima.

that they are pretty well dried off by dark. Of course, the houses which have just been gone over for shipment are where we do the heavy watering, still all the houses require a great deal now, with the evaporation that naturally comes from the sun and wind with the houses open.

The natural course, at this season of the year, is for the plants to turn their attention to making new growth and runners, and if allowed to do so you can bid good bye to flowers at once, and for the season. For this reason run as cool as is possible. Remove all good runners for stock, if you have not already worked up a sufficient supply, and keep all the small and poor runners trimmed off closely.

R. E. SHUPHELT.

OUR GENERAL INTRODUCTION.

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SOCIETY OF AMERICAN FLORISTS.

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on what you are going to do with these plants. If for vase or veranda boxes I would just pinch the top off at once. If you intend to keep them over as a decorative plant, cut off four or five inches of the top and give them a larger pot and room to grow when they make lateral growth. This grevillea is a pretty useful tree when quite small, but when large is coarse and not worth room in the greenhouse.

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society members and the trade in general. The most radical departure from the past policy of the society was the adoption of resolutions establishing a number of departments under the society's management, calculated to secure to members of the society direct benefits which are likely to make membership in the organization desirable and necessary to every one identified with the florist's trade. These departments are to be established under the following titles: Department of Credit Information, Purchasing Department, Legislative Department, Arbitration Department and Claims Department. Each of these departments is to be under a committee appointed by the president, with the approval of the society and the title, in each case, indicates its work.

The duty of the committee on credits will be to furnish information concerning the business standing of persons in the trade; said information to be supplied to members of the society at one dollar per annum and all other applicants at five dollars per annum. This committee was constituted to consist of the secretary with Messrs. H. B. Beatty and Adam Graham, and was instructed to proceed at once to secure necessary data for putting the department in operation.

It was decided that the Purchasing Department should also begin work at once to secure for members of the society through co-operation and the purchasing of large quantities of material, lower rates upon such supplies as glass, iron pipe, coal, etc. Messrs. E. M. Wood, W. W. Coles and W. K. Harris were constituted the committee.

The legislative committee will be entrusted with the duty of watching for and discouraging adverse legislation, either state or national, and encouraging such legislation as shall be considered favorable to the trade. The committee already acting for the New York Florists' Club on similar work, consisting of Messrs. Patrick O'Mara, J. N. May and C. H. Allen, were endorsed and appointed to represent the Society of American Florists in a similar capacity.

The purpose of the Claim Department is to act on behalf of the members of the society, to look after the adjustment of claims against transportation companies.

The arbitration committee will be entrusted with the duty of helping members to settle mutual differences without recourse to law.

The two latter committees were not constituted by the executive committee—the necessity for immediate action not being apparent, but the committee will recommend to the society at its meeting in August that they be established—the secretary to be a member, ex-officio, of the committee in each of these departments.

In response to what seemed to be a general demand for a revision of the method of making awards at the trade exhibitions, it was decided that the past system of awarding certificates should be discontinued and the competitive features heretofore encouraged eliminated. The old rule in reference to the making of awards was replaced by the following: "Judges shall examine all exhibits and make mention of such as are, in their opinion, of special value, and shall only award certificates to new plants, improved appliances, and approved florists' requisites, not previously exhibited before this society." It was also voted that all parties hereafter, who win awards of value, shall qualify themselves as members in good standing before receiving such awards.

All other matters relative to the management of the trade exhibition at Omaha was left to a committee consisting of the president, vice-president and secretary, who will visit Omaha early in May and make all necessary arrangements towards securing a successful convention in all its departments. Propositions looking to the securing of a special train to travel from some eastern centre to Omaha and take up delegates at various points en route, were also referred to the same committee.

The following subjects for discussion at the sessions of the convention were selected: The American Bulb Industry (and, incidentally, the Lily disease; its cause and its remedy), discussion to be opened by Mr. M. G. Raines, of the Department of Agriculture, Washington; Trade Exhibitions, their value to the florist's trade, to be opened by Mr. E. H. Cushman, Euclid, O.; The Influence of Public Parks, Grafted Roses for growing under Glass, the Effect of Improvement in Varieties and of Improvement in Cultural Methods, were all selected as subjects to be discussed, and to be assigned at a later date to competent persons. How to interest the retail trade in artistic decorative work was a subject discussed at length, and a general invitation will be sent out for a contribution of photographs of such work, to be shown at the exhibition hall in Omaha.

The carnation, chrysanthemum and dahlia societies will be invited to provide one essayist each on subjects connected with their special work. It was decided to offer the same number of silver and bronze medals for competition at Omaha as was offered at Providence last year, one of which will be given to the best exhibit of American grown bulbs and the balance of the schedule to be announced later.

The treasurer's report showed the gratifying fact that there is a balance of $135 more in the treasury than at a corresponding date last year.

On the committee table was a vase of magnificent blooms of the rose Golden Gate, grown and contributed by Gude Brothers, of Washington.

W. J. STEWART, Secretary.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

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CO-OPERATION.

This issue of The Florists' Review will reach many who are not yet subscribers, but whom we would like to add to The Review family. To such we wish to emphasize the fact that the Review is a subscribers' paper and not purely an advertisers' paper. The character of the matter it contains and the high standing of its leading contributors are sufficient in themselves to stamp the paper as one you cannot afford to be without. But when you become a subscriber to The Review you are something more than a mere reader. You have a direct financial interest in its earnings, toward the increasing of which you can very materially contribute.

You not only receive the best paper in the field, but by buying your trade supplies from advertisers in The Review you can increase its revenues, and a goodly portion of this will be returned to you at the end of the year. What has in the past gone to make fat dividends for a favored few will now be distributed among those who make the earnings possible.

Each subscriber receives a certificate entitling him to the earnings on one dollar's worth of stock in the company that publishes the paper. This stock is held by Mr. William Scott, of Buffalo, N. Y., as trustee. Every legal requirement has been complied with. See our subscription offer and the form of certificate we issue elsewhere in this number.

Leaving above entirely out of consideration, can you afford to miss Mr. Scott's Miscellaneous Seasonable Hints? These are beyond question far and away the most valuable contributions to the current literature of the trade. Mr. Scott writes exclusively for

the Review. And can you afford to miss Mr. Dorner's Carnation Notes? All must admit that no other contributions to the literature of the Divine flower approaches them in value.

THE FLORISTS' MANUAL.

In this issue appear several articles from the advance sheets of the Florists' Manual, now being written by Mr. William Scott. This great work will cover the whole field of commercial floriculture, and will be an invaluable book of reference. It will be published by the publishers of The Florists' Review. Mr. Scott aims to make his Florists' Manual the crowning work of his career as a contributor to the literature of the profession, and all who have admired his past writings know what this means. We shall from time to time publish in The Review further extracts from the advance sheets of the Manual.

CINERARIAS.

[From advance sheets of the Florists' Manual, by William Scott.]

What florists understand when we speak of cinerarias are those which have originated from C. cruenta. The hardy species, although acceptable plants for the herbaceous border, where hardy, are not of much value to the florist. Since the introduction of the cineraria, or rather since its common use as an ornamental plant in our greenhouses, a wonderful improvement has been made in size, color and form of flower as well as in the habit of the plant. They are of easy culture and it may be said that any glass structure, where it does not actually freeze, will grow cinerarias. But like many other of these soft wooded plants which can be called "a cheap plant and easy to raise" a slight mistake or neglect will ruin the whole lot. A palm or an orchid will be much less liable to permanent injury by neglect or mismanagement, for what is a cineraria but an abomination unless it has broad, stiff, healthy leaves, and if it has those it will be sure to have a handsome head of flowers.

It is quite possible that some choice varieties are still perpetuated by cuttings, as they commonly were years ago, but that with the American grower is never thought of, neither is it at all necessary, for a fine strain is readily produced from seed supplied by our leading houses. Double varieties were also a novelty a few years ago and supposed to be a great acquisition, but the cineraria, like some other florist's flowers, is not in the slightest degree enhanced in beauty, either as an individual flower or as a decorative plant by its being double. It is simply a monstrosity and the craze for the double varieties has vanished.

If flowering plants are wanted by November and the holidays, you must sow at end of May or early in June. Except on private places this is not to be recommended. For the commercial florist they would not be very profitable for they are a troublesome plant to carry through the hot months and the bulk of your customers are not ready for them till February, March and April. It is well to make two sowings, the first early in August, the latter the middle of September; the last sown will usually come in right for Easter. The seed is not so small but what it can have a slight covering; finely sifted leaf mould or sand will do, and keep uniformly moist till the seeds are up.

When they have made a small character leaf, transplant into a flat or 2-inch pots. From this time on they must be shifted on as they need it, never by any means allowing them to become stunted for want of larger pots. After they leave a 3-inch pot the soil should not be sifted. If it is a little rough or lumpy so much the better. I have seen hundreds of cinerarias in 4 and 5-inch pots die, not with a slow death but suddenly droop and die, and the cause was a close adhesive soil through which the water did not pass freely. They may not be a profitable plant, but if worth growing at all will surely pay to grow well. They must have room to spread their leaves, and until flowering time 40 degrees at night will suit them better than a higher temperature. You will often hear instructions given to "keep plants near the glass;" in other words this means light. They must have light, room to spread out, a cool temperature, and although a stagnant state of the soil is fatal to them should never be allowed to wilt from dryness or they will lose some of their best leaves. After light, air and a low temperature, the remaining great object to watch in their successful culture is never let a greenfly be seen on them. Fumigate regularly and faithfully.

Those that are summered over do much the best in a pit or cold-frame, but it should be deep enough so that when ventilation from the raised sashes is given it should pass over their tops and not be playing too freely on their soft leaves. Specimens can be given an 8 or 9-inch pot, but the commercial florist will find that a 6-inch will flower them sufficiently well. I have seen some growers pinch out the leading flower shoot to induce a broader head of bloom. If grown cool and light this is entirely unnecessary. It is seldom that cinerarias are troubled with thrips or red spider, but a dusting of water in summer and fall is beneficial to them.



Cineraria.
[From The Florists' Manual, by Wm. Scott.]

HERBACEOUS CALCEOLARIAS.

[From advance sheets of the Florists' Manual, by William Scott.]

There are few more attractive and showy greenhouse flowers than the calceolaria, and although useless as a cut flower it is of great value as a greenhouse decorative plant, or as a window plant, lasting fully as long as a cineraria and many other of our popular flowers. There are several species, both of the herbaceous and shrubby sections, nearly all from the west coast of South America and at a good elevation, for calceolarias dislike great heat at any time of their growth.

Little attention is paid to the species, the beautiful hybrids of the herbaceous section being what we are interested in. Seed can be obtained of any reliable seedsman that will produce a great variety of beautiful flowers. Sow from June to end of September. If wanted in bloom by March the earlier month is the time to sow, but they are difficult to have in bloom that early; if sown in September they

can be bloomed the following May, and with less risk of failure than earlier. The seed is most minute and for directions about sowing refer to chapter on that subject. Would say here that it should never be covered, a piece of glass over the seed pan being sufficient.

When the little plants are large enough to handle place them in pans or pots an inch apart. When they are near touching each other put into 3-inch pots. By December they will be large enough to go into 5-inch pots and as they must be wintered cool they will not need another shift till the first of March, when they can go into their flowering pots, a 7 or 8-inch.

Calceolarias are not as often seen in either the florists' windows or the private garden as their great beauty should warrant, and the reason is that although they cannot be called a difficult plant to manage, they are easily ruined by neglect or mismanagement. The following conditions if faithfully observed will insure success.

Watering: At no time must they be allowed to wilt for want of water, and like the cineraria must never be over watered or that will kill them; avoid extremes both ways. No syringing is needed.

Temperature: In the dull, dark days of winter 40 degrees at night is plenty warm enough. In Europe they are largely grown in cold-frames. Here that is not as practicable, but from seed sowing till middle of November a cold-frame is much the best for them. Let them at all times be so situated that they can have light, room to grow, plenty of fresh air and a low temperature. Bright sun coming suddenly in early spring is liable to burn their leaves, so a temporary shade should be provided, but not a permanent one till they are near flowering time.

Soil: A rather light loam, not chopped or sifted too fine, with a fourth or fifth of thoroughly rotted manure, will grow them well. If the soil is heavy add sand to the manure. I am sure it pays well when they are in the larger pots, the 5-inch and upwards, to drain with a few crocks and a piece of green moss.

Insects: They are seldom troubled with any but the common greenfly, but to those the calceolaria is a choice morsel and too often a fine batch of young plants is utterly ruined by them. Don't wait till you see the fly, but smoke mildly every week at least without fail, and till they are taken to the show-house should always have tobacco stems strewn among the pots. There is no feature in the cultivation of the calceolaria so important as this; never let aphis be seen on them.

The shrubby section of calceolaria is used in Europe largely as a summer flowering garden plant. The writer has tried it here several times but always with failure and that I believe is the general verdict; our hot summer is the obstacle. As a flowering plant for the greenhouse they are not nearly as ornamental as the herbaceous varieties. The same cultural directions will apply to them excepting that they are usually propagated by cuttings, which root readily in the fall in a cool, shady frame.



Herbaceous Calceolaria.
[From The Florists' Manual, by Wm. Scott.]

NEW YORK.

The Wholesalers.

The less said about the market and prices the better, this week. Lent has gotten in its work with a vengeance, and prices have been as low as any time this winter, and as irregular as a day in April. A fair indication of business may be understood when I say that Mr. John Raynor, the Beau Brummel of the street, is wearing a blue necktie. Next week, if trade continues, they will go into mourning.

A continuance of warm weather has riddled prices, and there are no settled values. Shipments of roses are daily increasing, with a falling off in quality, which was most apparent in Maids. Long Beauties are getting to be a glut, and the price is correspondingly low, some having been sold as low as 5 cents and not higher than 15 cents.

Carnations are selling comparatively well for the number received, fine Scotts reaping the benefit, if any.

People who have smilax have the best thing in the market at this writing, and the only thing that has advanced in price. Other lines are all at a discount, and to quote prices would be like figuring on May wheat and cause my ostracism on the street from now and henceforth. But brace up; Easter will soon be here, then it will be your turn again.

"The two Macs," MacDonald and McManus, who are making a specialty of orchids, among other varieties are handling some specially fine flowers of Cattleya Trianae and Mendellii.

Walter F. Sheridan is handling the new white carnation, "Monarch," grown by F. W. Miles, Plainfield, N. J. If the price realized for these blooms is an indication of its stability, it will be the white carnation of the future.

Thorne & Co., Flushing, L. I., are sending some grand Maids and Brides to John Raynor. Mr. R. handles an exceedingly fine line of goods and is making goodly preparations for Easter.

James M. King handles the dark maroon carnation, Meteor, grown by F. R. Barrett, Highwood, N. J. The flowers are large and of exceptional color, with stems 30 inches in length.

Millang & Co., in addition to their cut flower department, will open an annex for the handling of Easter plants, which has proved very successful in former years.

M. A. Hart, who recently moved into more commodious quarters, finds that increased facilities means increased business. Mr. Hart handles a general collection of cut flowers, roses and carnations being the leaders.

Seed and Bulb Trade.

The exceptionally open winter has transformed the seed stores into hives of bees. The rush is unprecedented for the time of year; one house alone is five days behind with their orders, and "they're still a-comin'." As I write,



Herbaceous Calceolaria.
[From The Florists' Manual, by Wm. Scott.]

however, there are flurries of snow in the air, and it seems as if the order of the "lion and the lamb" is about to be reversed, but we are too far advanced in the month to expect much more winter, for, if you recollect, the ground hog saw his shadow this year.

The spring bulb trade has been very satisfactory so far, though prices have been cut to low ebb. "The men on the road," commercial travelers, I think they call themselves, are sending in some heavy orders, and are already quoting prices on fall bulbs, which are problematical at this early date. The sale for dahlias is exceptionally heavy and Japan stuff has moved very lively. Other lines are quite up to the average.

The youngest firm in the trade, Stumpp & Walter Co., feel much flattered with their first season's business. Mr. Henry Eike, the genial secretary of the company, is kept busy drumming up outside trade, and says the Craw fertilized pot is a winner.

Suzuki & Iida announce they have moved to more commodious offices in the Bowling Green building, No. 11 Broadway, and say the call for Japan stock has been phenomenal.

H. H. Berger & Co. report that they are getting an extraordinary number of inquiries for Lilium longiflorum bulbs. This commodity seems fair to rival its first cousin, Lilium Harrisii, in the future.

Clucas & Boddington Co., large handlers of Asparagus Sprengerii, say that the demand for plants has entirely exhausted the supply of imported stock. This variety is meeting with exceptional popularity in the retail stores, when cut, and also as plants. They report, also, heavy spring sales in all lines.

Various Notes.

Mr. F. L. Atkins has disposed of his interest in the American Bulb Co., and will in future trade under his own name. He was recently appointed sole agent of the Societe Horticole Gantoise, of Belgium, and will handle besides a general line of horticultural stock. Mr. Atkins is an F. A. M. and a thoroughly posted man in his line, the florist's trade, and worthy of generous support. His address in future will be Orange, N. J.

PHILADELPHIA.

Stock—Prices.

Business both in plants and cut flowers was quiet last week. A good many palms were moved for Easter orders, especially of the larger sizes, and orders are being booked for flowering plants to be delivered early next month. The price on most cut flowers has fallen, and much stock goes on the street or fails to find a market at all. Beauties bring from 50 cents a dozen for very short stemmed flowers up to $4 and even $5 for a few specials; $1.50 to $3 will buy nice blooms. Brides and Maids are $4, $6, and a few specials, $8; Meteors, $2 to $6; carnations, $1 to $3, the bulk of the stock bringing $1.25 to $1.50; valley, $2 to $4; callas, $10; Easter lilies, $10 to $12; pansies, 25 to 50 cents; violets don't sell at all; mignonette, $2 to $5; sweet peas, 75c to $2.

Germantown Hort. Society.

The March meeting of the Germantown Horticultural Society on Monday evening was well attended. The society showed its progressive spirit by accepting the committee's report proposing to abandon the annual chrysanthemum show, substituting special exhibitions of the orchid, rose, carnation, violet and plants, both flowering and foliage, instead. The committee was continued with instructions to report a definite plan. This does not mean that the society will discourage chrysanthemum growing; far from it. It simply means that the Queen of Autumn will share honors with her sisters instead of monopolizing public interest. The principal exhibition will probably be held as formerly in November.

It was moved by Mr. L. Le Boutillier that the society institute a competition for the best lawn and flower garden, with prizes amounting to $200, the idea being to attract the small property holders to compete. A committee was appointed to work up the plan.

Penn. Horticultural Society.

The following evening, Tuesday, saw the Pennsylvania Horticultural Society assembled to hear Mr. L. F. Homer's paper on "The Progress and Development of Ornamental Planting at Cairnwood," where Mr. Homer is gardener.

It was decided to continue the society's representation in the State Board of Agriculture, Edwin Lonsdale, who has so ably filled that position in the past, being continued as representative.

The Cinerarias for the Henry F. Michell prize were exceedingly fine. First went to John McGowan, gardener to Wm. Bayard, of Germantown; second to J. McGregor, gardener to Mrs. Thomas A. Scott, of Lansdowne.

Francois Supoit brought violets, Princess of Wales, which is becoming very popular, Luxonne, and also a new variety, La France.

Roberts Le Boutillier's gardener, Michael Punch, showed a fine specimen Cymbidium Lowianum both here and on the previous evening in Germantown. Additional interest is given Mr. Le Boutillier's orchids by the fact that he has himself collected every plant in his greenhouse.

Effect of the Tariff.

A good deal of discussion has lately taken place on the exact effect of the tariff on the price of imported bulbs and plants, whether the grower or consumer pays the duty. Theoretically the consumer pays it. I am, however, led to believe that this is only partly true this season and that the extra expense has been shared in many cases. The price of one line of merchandise, largely imported for this market, was started at about twenty-five per cent advance over last season and

the demand was so brisk that everything looked prosperous for a fortnight, when suddenly things were different and prices went as low as last season.

From many sources of information I am inclined to believe that growers hereabouts are a little disappointed on the effect of the duty so far as bulbs are concerned. They probably discounted the good effect on general business a little too heavily, failing to allow sufficiently for the fact that this class of stock is to a certain extent on the back track now. Many growers reason that the duty will prevent the small growers importing their usual supply; so they generously increase their own orders to prevent a shortage. It seems the small men didn't scare worth a cent and the public wanted bulbs most when they couldn't get anything else.

Notes.

George Anderson has the record for lilies. He bought 1,000; received 1,005; two didn't come up; two were broken in handling; he has 1,001 good plants. Where did you get them, Mr. Anderson?

The failure of D. D. L. Farson was announced on Friday. This is sincerely regretted not only on Mr. Farson's account but also on that of Wm. Gibson, who worked so hard for his employer.

A lady on Chestnut street priced a nice little bunch of Maids. "Six for a quarter, ma'am," the vender said. As she moved across the street he pursued her. "Say, lady, eight for a quarter," he called. She shook her head. "I guess you want 'em for nothing," the disgusted fakir muttered.

J. W. Y.

CHICAGO.

The Market.

The market is experiencing many ups and downs, and it is difficult to say what the next day may bring forth. One day the demand will be brisk and prices correspondingly stiff, and the next day the weakness will be painful. Shipping orders have, however, been fairly steady, and this demand has prevented any serious gluts, except in violets and some bulb stock, though there have been many sales of lower-grade stock at cut rates. On Tuesday the quotations on tea roses ranged from $2 to $4, with occasional sales of extra select at $5. Carnations of ordinary varieties from $1.25 to $1.75, with $2 for extra good. Tulips and daffodils from $1 to $2; some of the extra quality going a little higher. The outlook for a good supply at Easter is excellent, and from the advance orders already placed the demand will be strong enough to take it all. Unless some unforeseen circumstances intervene, the Easter trade of 1898 will be a record-breaker. Certainly the present Lenten season has broken all previous records for good sales. May the good work go on.

Various Items.

"Lilies and other bulbous flowers" is the subject for discussion at the meeting of the Florists' Club this Thursday evening. The programme includes a paper on the Harrisii disease by Mr. E. Buettner.

Mr. Louis Gresenz, with Bassett & Washburn, was married last Tuesday. The bride was Miss Julia Reg. Congratulations are in order.

"Welcome Spring" were the words outlined in crocus flowers that greeted visitors to Lincoln Park last Sunday. Mr. Stromback is to be congratulated on this bit of sentiment.

We learn from Mr. J. S. Wilson that the report that one of his brothers died on the way to Alaska was erroneous. We are pleased to be able to correct the false report.

Carl A. Lundstrom, one of the old landmarks in the trade, died last Saturday of paralysis, aged 65 years. He was born in Sweden, and has been in America fourteen years, doing landscape work. The funeral took place last Tuesday, the interment being in Graceland. Many friends were in attendance and the floral tokens were numerous. Mr. Lundstrom left a widow and four grown sons, one of whom is connected with Lincoln Park.

The wife of John C. Ure died last week and was buried Sunday. Death was caused by a cancer in the stomach.

Recent visitors: R. L. Blair, Des Moines, Ia.; Geo. Faber, Kankakee, Ill.; F. Danzer, Columbus, O.; Robt. Craig and John Burton, Philadelphia, Pa.

E. E. Peiser, of Kennicott Bros. Co., has returned from his outing, and is again in the harness. Larry Kelly has returned from a visit to his grandparents in Milwaukee.

Mr. O. P. Bassett, of Bassett & Washburn, entertained Robert Craig and John Burton, of Philadelphia, at his home in Hinsdale last Tuesday.

A. L. Randall will remove from Dearborn street to larger quarters at 4 Washington street the last of this week and will be in shape to handle his Easter trade at the new location.

Chas. H. Fisk has removed to 169 Wabash avenue, where he has a very neat basement store.

BUFFALO.

Stock for Easter.

The remarkable mild weather with many fine days has helped business some and plants have sold freely, but there has been no heavy business except that associated with the dear departed ones, and there has been quite the average of that sad but lucrative work. All guesses about crops being on time have been confused and confounded by the long spell of New Orleans kind of temperature.

I ran around a little the other day and got an idea of what there is in the county. W. J. Palmer, in addition to his fine cut of carnations and roses, has a fine lot of bulbous stuff, lilies and azaleas. He swears pretty loud about the disease and has good cause to do so. Joseph Rebstock has as usual a very clean lot of lilies, azaleas, rhododendrons and smaller lots of other useful stuff. John Pickleman, of French street, has the banner lot of lilies. Out of several thousand but a few hundred will miss the mark. Several other calls revealed a good assortment, which I will report next week with others yet to visit. For the past two or three weeks there has been far too many daffies and tulips forced here; with some firms who have them wasting they have descended to the unhealthy price of 25 cents a dozen. This is a ridiculous price and it would have been cheaper to feed the bulbs to the pigs soon after paying duty on them.

There does not seem any surplus of good flowers. Roses of phenomenal quality arrive in town and splendid carnations meet with a ready sale. I notice again to-day that Dazzle, that splendid scarlet that never receives a great puff, is grand in stem, form and color.

A Week for the Drummers.

This has been a week long to be remembered by the writer. Drummers have been here as thick as locusts in Egypt and fairly covered the land. They have come singly, in pairs and in flocks. Very early in the week, in fact the Sabbath day, arrived Dan McRorie and Walter Mott. I accompanied this pair to the Botanic Garden to protect the poor professor from being killed with kindness. Each put on their respective styles of amiability, which was worth a little suffering to witness, but the man from the banks of the Delaware got the best of it. He received an order for a trade packet of Erysimum Perofskianum. Then followed several from across the sea, whose names I cannot either write or pronounce. Then Mr. Hutchison, representing Mr. Aug. Rhotert. As the name implies, this young man is not one of those who belong to the land of black and white cows, wooden shoes and deep rich soil. He is a native of that prosperous country, Australia, and proud of it. When Mr. McH. keeps his order book in his pocket he is very interesting, and is well posted about the laws and institutions of his far distant home. Then the old war horse, John Barclay, stepped up and talked in the interest of Messrs. Elliott & Son.

The last gentleman who had anything to sell was Mr. J. P. Ohmstede, who solicits orders for Mr. Kuyk. If there is such an institution as Harvard College in Holland, Mr. O. must be a graduate. He also looks to have passed



View in the Store of Henry A. Dreer, Philadelphia.

through a gymnasium and sanitarium.

We had a very pleasant talk about azaleas, and Mr. Ohmstede confirmed the good opinion I had formed of four grand varieties, which it would be worth while for some of your readers to make a note of. They are: Memoire de Louis Van Houtte, a very large, double rose flower, easily kept back for Easter; Prof. Wolters, a charming pink of the finest habit, and the beautiful combinations of Mme. Thibaut pelargonium, but brighter; it makes all the azaleas of that color look dull; is about the same time in flowering as Van der Cruyssen; Edmund Vervaene, a deep rose in color, the shade of Cartledge carnation, very double and makes a splendid bush; the other has a name that would kill an ordinary plant, and I cannot describe it, but you can depend that it's a dandy, or I would not have saved the name, and here it is: Groshersog Griuz Ludwig Von Hesse, which means "his majesty was no hog." All four varieties are grand, and we want a change. There is too much Van der Cruyssen about, even if it is a grand old sort.

However, the longest lane has a turning and there is an oasis in every desert, and the oasis came to us in the shape of Mr. Elmer Smith, of Adrian, Mich. What a treat a few hours' visit from a man of that kind! I put him on the car on his road to see Mr. Cowell and trust ere now he is in the bosom of his family, recuperating from the complaint of the executive committee and Washington society.

W. S.

ROCHESTER, N. Y.

The cut flower market is overstocked in all lines. Trade has been very sluggish during the last two weeks and there is little prospect of improvement for the current week. Prices are so variable that it is really impossible to say anything about them. First-class Maids and Brides have been sold as low as $4 per hundred and the job lots go even below this figure every day.

Continuous warm and mostly bright weather has caused the development of an unusual amount of good flowers, which are sent to market every day; unfortunately the present demand is rather limited and a large proportion of the supply cannot be disposed of.

Several of our florists had decorations for the spring openings in the different dry goods stores on hand during the week; more of these are to follow soon. These openings are looked upon by a majority as a good thing for the florists, occurring at a time when business usually is rather slack, although the proprietors of these concerns are not inclined to lay out any more cash on these occasions than is absolutely necessary and are apt to hold the decorator down to the lowest possible figures, but it is better to accept a small profit in dull times than to get nothing.

W. Mott, the popular representative of H. A. Dreer Co., Philadelphia, was in town again. He has more friends in this neighborhood apparently than any other traveling agent who visits this city, for he always manages to book a goodly number of generous orders before he is ready to leave us.

K.

BOSTON.

Trade Conditions.

The general report is that business is very dull. The windows of the retail florists are gay with azaleas, acacias, hyacinths, tulips, etc. A fine display of the new carnation, Mrs. Thomas Lawson, in the window of Mr. Thomas Galvin seemed to attract much attention, judging by the crowds gathering in front of his store. W. E. Doyle's windows are always a center of attraction, being invariably arranged with much taste, some orchids being often used with telling effect. M. H. Norton and James Delay are making beautiful displays of flowering and decorative plants, most effectively arranged.

The wholesalers have to hustle to dispose of the large stocks received, as the cut is heavy at present, and there is not much likelihood of better prices till Easter.

Mass. Hort. Society.

At the weekly exhibition of the Massachusetts Horticultural Society the display was small but choice. Mr. W. W. Lunt, of Hingham, showed for the first time the new hybrid orchid, Laelio-Cattleya, Mrs. John D. Long. The cross is between Laelia elegans var. Warnerii and Cattleya superba var. splendens, and it was raised by Joseph G. Lunt. It was awarded the society's silver medal. The same gentleman showed a nicely grown plant of Dendrobium nobile var. Virginalis, a very beautiful variety.

Mr. Edward Butler, gardener to Mrs. Durant, showed a magnificent specimen of Dendrobium nobile over three feet in diameter and two feet nine inches high, and a mass of flowers. It was estimated that there were 1,000 blooms, all open. He also displayed a dozen vases of cut blooms of various varieties of dendrobes, lycastes, Lapageria rosa, etc., and was awarded a gratuity.

H. T. Clinkaberry, gardener for C. G. Roebling, Trenton, N. J., sent Epi-Cattleya Guatemalense, a very rare natural hybrid, but did not receive mention, as the flowers had been damaged in transit.

Mrs. P. D. Richards displayed a

small collection of native plants, including three varieties of sarracenias, mosses, etc., and there was a number of exhibits of vegetables.

Prof. E. A. Burt, of Middlebury College, Vermont, delivered a very able and interesting lecture on the resistance of plants to parasitic fungi, which was listened to with close attention.

Various Items.

Mr. S. J. Reuter, Westerly, R. I., is about commencing the construction of a half-dozen large new greenhouses.

Mr. A. Dimmock, representing F. Sander & Co., was a recent visitor.

Hilliard & Karlson, Exeter, N. H., are building two more new houses.

C. H. J.

JADOO.

This substitute for soil seems to be still gaining in popularity and usefulness in England, as seen by the below extract from the issue of the Tunbridge Wells Free Press for March 5, 1898. We have not space for the whole article, but in addition to what was seen at the famous nurseries of R. Veitch & Son, there were similar favorable reports from Dr. Wallace, the authority on lilies; Mr. Leonard Brown, the honorary secretary of the National Amateur Gardeners' Association; Mr. J. F. Alcock, of Berkhampsted, and several other commercial growers.

JADOO FIBRE.

Being in Exeter a few weeks ago, unexpected opportunity offered itself for pretty full enquiry into the nature and uses of Jadoo. We had often heard of the mysterious compound, and knew something of the advantages which were claimed for it; and having almost by accident lighted upon the offices of the Jadoo Company, we were able, by the courtesy of its enthusiastic secretary, to see for ourselves, in the nurseries of Messrs. R. Veitch and Son, the truly marvelous results of its use. But our first enquiry related to the nature of Jadoo, and, there being really nothing mysterious or secret about it, we immediately learned that the basis of it is peat-moss, which is inpregnated with soot, bone-meal, gypsum, and small quantities of phosphoric acid and potash, these plant-foods being used in such proportions as analysis and experience have shown to be most suitable. The ingredients are amalgamated by boiling, and a scientific process of fermentation so far fixes the chemical compound in the peat-moss that is given off very slowly and regularly, the root-action of any plant which is cultivated in it enabling that plant to take up just the amount it needs to induce its highest state of perfection. So completely is this the case that plants like mesembryanthemums, which will grow almost on a rubbish heap, thrive in Jadoo, and are not injured by the great amount of nourishment placed at their disposal, while on the other hand plants like chrysanthemums and roses, which want abundance of rich food, thrive equally well in it. From this explanation it will be seen that Jadoo is not a manure, nor is any particle of manure used in its manufacture, but it is essentially a cleanly and wholesome substitute for earth, and consequently the very thing for amateur gardeners, and, above all else, for indoor gardening.

The invention of Jadoo is entirely due to the ingenuity and patient investigation of Col. Halford Thompson, a Fellow of the Royal Horticultural Society, and one of the best-known horticulturists in the West of England. His experiments have extended over many years; and at the present time his greenhouses, conservatories, and gardens at Teignmouth are full of plants and trees grown entirely in Jadoo, peaches and pears, grapes and strawberries having been especially experimented upon, while almost every kind of stove and greenhouse plant has responded with exceeding kindliness to the treatment.

We had not the opportunity of seeing these particular experiments, but in the extensive nurseries of Messrs. R. Veitch and Son, at Exeter, we did see two stove-houses which were crowded with plants of many kinds grown in Jadoo alone. They included all the varieties of ornamental asparagus, very fine plants of tuberous begonias (of which some so grown have taken first prize at the Exeter Show), crotons and dracaenas (which seemed to be even richer than usual in color), several sorts of bouvardias (of which a fine single scarlet had been flowering continuously for six months), primulas of various kinds, orchids too numerous to make a note of, palms and pandanus (the well-known Veitchii among the latter), azaleas, camellias, and perhaps fifty other varieties of plants, besides hyacinths, iris, and other spring bulbs.

WASHINGTON.

Recently I took a run down to Alexandria and paid a visit to the establishment of Mr. J. Louis Loose, who has a model establishment there and on quite an extensive scale. His method of running the different departments is worthy of emulation; of each department, palms, roses, carnations, ferns, bulbous stuff, etc., he has an experienced man in charge and responsible for that department, there being no manager or foreman, the place of such a person being taken by himself. The result is plainly seen on entering the houses. One would judge the place to be a private rather than a commercial one with its cement walks, washed pots and such thorough cleanliness. With the exception of violets everything is well grown. Mr. Loose has determined to give up the cultivation of violets, at least for the present.

It would be difficult to praise one department more than another. The carnations in their way were exceedingly well grown, and the same might be said of the palms, roses, etc. He continues to grow the C. Testout, and finds it quite a favorite with his trade, also a bench of Saffron Yellow, which he finds profitable.

Mr. Loose is an artist, as any one visiting his beautiful store will testify. He has attracted more attention to his show window than any other store in the city. W. H. K.

PITTSBURG.

Three decorations of importance took place last week. Randolph & McClements had the Chamber of Commerce banquet for 200 guests, at the Duquesne Club. Beauties, Brunners, Harrisii and bougainvillea were used.

Gustav Ludwig had the decoration for the Prest. Union banquet at the Monongahela House.

The same evening Langhans & Co. had a unique decoration ball en masque at the Concordia Club. Clusters of weird false faces were intertwined with wild smilax, and festoons of laurel embellished the walls and ceilings; 300 boutonnieres of pink roses were used. Harrisii and red carnations in vases were used as the table decorations.

E. C. Ludwig made a fine display of Brunners; they are the first ones to appear in this market. L.

TITUSVILLE, PA.

Florist Bay on Friday distributed 1,000 choice chrysanthemum plants among the pupils of the public schools. It is Mr. Bay's intention to hold a show next fall for the exhibition of blossoms from the plants given out as above stated and to award a number of prizes to the pupils who make the best showing. Last year this popular florist gave away a large number of the plants and at the show held at the Main street school a very fine collection of the flowers was exhibited. The interest and rivalry displayed by the contestants at that time will doubtless result in renewed efforts to excel in the cultivation of the plants and a better exhibition of flowers this season.—Titusville Herald, March 14.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

[OFFICERS.]

Pres., Wm. F. Gude, Washington, D. C.; Vice-Pres., A. Donaghue, Omaha, Neb.; Sec. Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Treas., H. B. Beatty, Oil City, Pa.

NEXT MEETING.

The fourteenth annual convention will be held at Omaha, Neb., August 16, 17, 18 and 19, 1898.

The Trans-Mississippi and International Exposition will be held in Omaha, June to October, 1898. F. W. TAYLOR, Supt. of Horticulture.

CHATTANOOGA, TENN.—John Karsten is much encouraged by a steady increase in patronage. His attractive place, stocked with well grown stuff, and his genial personality, merit recognition.

ELMIRA, N. Y.—Grove P. Rawson reports a heavy advance sale for violet runners. His stock is in prime condition. The new mums also are taking well. Hoffman Bros. are doing a rushing business in decorations.

RED ROCK, PA.—Fire did $300 worth of damage to the greenhouses of E. B. Sage, the florist, March 13. No insurance.

Subscribers who are large buyers of trade supplies and who would like a larger interest than the one provided in our subscription offer are requested to correspond with us. Florists' Publishing Co., 530 to 535 Caxton Building, Chicago : : : : : : :

WANT ADVERTISEMENTS.

A FIRST-CLASS MAN is now open to engagement fully competent in every respect; expert grower of both plants and cut flowers; wants an opportunity to better himself; no object to change unless there is an opportunity for him to show his abilities on a scale that will make his services worth at least $75 a month. Address S. D., care Florists' Review, Chicago.

SITUATION WANTED—By a first-class grower of roses, carnations, violets, etc.; 12 years' experience and can furnish best of references. Address Practical, care Florists' Review.

SITUATION WANTED—By experienced gardener: single, 25; in private place; understands care of greenhouses, fruits, everything in general; best of references; California preferred. Address P. Hanson, box 251, Mamaroneck, N. Y.

WANTED—Young florist for store and greenhouses. H. F. Halle, 548 W. Madison st., Chicago.

WANTED—A good florist; will pay $25 a month and board; German preferred. B. Haas, Omaha, Neb.

SITUATION WANTED- By practical, up to date florist and gardener; private or commercial place, eastern and western experience; first-class references from well known parties. Address A. M., care Florists' Review.

FOR SALE—Greenhouses, on principal street in the city. For particulars apply to J. H. Rebstock, 584 Main st., Buffalo, N. Y.

WANTED—Two century plants; (Agave) variegated; about 2 feet in height; state price wanted; must be nice plants. Leo Wellenreiter, Danvers, Ill.

FOR SALE, RENT OR EXCHANGE—Well stocked greenhouse plant; 6,000 sq. feet of glass; bargain; terms to suit on account of owner's poor health. W. X., care Florists' Review.

SITUATION WANTED—By A1 grower of roses and other cut flowers and plants, as working foreman; has held similar positions in Chicago; best of references; disengaged April 1. Address E. C., care Florists' Review.

WANTED—Florist, immediately; wages $15 per month, board and washing; general work. L. Cottle, 622 64th av., Oak Park, Ill.

SITUATION WANTED—By a first-class florist; single, German. 36 years of age, with 20 years' experience in growing roses, carnations and general stock; can furnish best of references. H. C., care of Florists' Review.

SITUATION WANTED—By florist, with life experience in growing cut flowers and plants, as working foreman; is holding a similar position at present; American Beauties a specialty; A 1 references. Near Chicago preferred; age 30 and married. Address W. S., care Florists' Review.

SITUATION WANTED.—By practical florist as foreman. First-class rose grower, also cars. mums violets and general stock. 15 years in this country; 5 years in one commercial place; 8 in another; 2 years in present position. State wages paid. Good references; married. Address, B. C. care Florists' Review.

SITUATION WANTED—By young man, 19, on large private or small commercial place, where thorough knowledge of bedding and landscape can be learned; 3 years' inside commercial experience. A., 439 Bromhall Avenue, Jersey City, N. J.

SITUATION WANTED—As foreman or grower on commercial place, unquestionble ability in all braches. Reliable, industrious and capable of assuming entire charge. Nixon H. Gano, care of Florists' Review.

SITUATION WANTED—By practical florist and gardener, commercial or private; No. 1 rose grower, carnations and violets a specialty; good designer; age 38; best references. Address W. G., 164 E. Main Street, Alliance, O.

FOR SALE: 1 dwelling house, 2 greenhouses, 17 x 150 newly built: well located and good home trade, on st. car line and near a city of 300,000 population. For particulars address P. O., care Florists' Review.

SITUATION WANTED—By married man, as rose grower or foreman: good grower of cut flowers and general greenhouse plants; first-class references; state wages. R. W., care of Florists' Review.

SITUATION WANTED—By a first-class all round florist; good grower of roses, carnations, violets, and mums, general stock, etc.; 16 years' experience. F. S., Florists' Review.

SITUATION WANTED—As foreman by an up to date rose and cut flower grower; good manager and hustler and can furnish best of references as to ability to fill a first-class position. Am open for an engagement at any time desired. Give full particulars when writing. Grower, care Florists' Review.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

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Secretary and Treasurer.....CORNELIUS S. LODER

271 Broadway NEW YORK CITY.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By a gardener; German, 31 years old; married; 16 years' experience in flowers, fruits, vegetables. care of pleasure grounds, hothouses, and landscape gardening; position in private park, cemetery, or gentleman's place in city or country; best of recommendations. Address A. Daum, 187 E. Chicago avenue, Chicago, Ill.

SITUATION WANTED—By a florist and gardener; single; 15 years' experience; who can grow carnations, mums, violets, roses. etc.; also vegetables under glass; best of reference. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Where first-class stock is grown; best of references from past and present employers; age 24. State wages, etc. W. D., care of W. W. Cole, Maple Hill Rose Farm, Kokomo, Ind.

SITUATION WANTED—First-class cut-flower grower; 12 years' experience; single; 28 years; extra good rose grower; best of reference; wish employment at once. Address. stating wages, A. M. Randall, 240 Wabash avenue, Chicago, Ill.

For Sale. A Bargain.

Six Greenhouses, well stocked, nearly new, together with two fine dwelling houses, barns and 35 acres of land, consisting of all kinds of soil. Six miles from Milwaukee. All buildings nearly new. Nearly $7000 insurance carried. The land alone is worth the price asked. Reason for selling, failing health. Address or call

H. STAEPS, ELM GROVE, Wis.

For the Easter Season.

Azalea Indica, well set with buds, 40c, 60c, 75c, $1.00 each.
Larger Plants, prices accordingly.
All fine Plants.
Spiraea Japonica, 25c each.
Hydrangeas, well set with blooms, 75c, $1.00, $1.50 each.
Lilies (Harrisii), **Tulips**, **Hyacinths**, at low prices.

Fxceedingly fine lot of... **PALMS.**

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch $1.00 each. **Latania Borbonica**—4-inch, 20c, $16 per 100; 5-inch, 40c; 6-inch, 75c and $1.00; 7inch, $1.75 each. **Phoenix**—5-inch. 40c; 6-inch, 75c each. **Kentia Belmoreana**—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each. **Kentia Forsteriana**—4-inch, 25c; 5-inch, 50c; 6-inch, $1.00 each. **Cocos Weddeliana**—3-inch, $20 per 100; 4-inch, $50 per 100. **Araucarias**—60c, $1.00, $2.00 and up.

Fine specimen plants of the above in larger sizes at low prices. Cash or satisfactory reference.
Special prices on Bedding Stuff.

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Long Distance 'Phone 872.

FOR SALE.

Established florist business and greenhouses. Fine stock of all plants and roses and carnations. Everything in first-class condition. City water, steam heat, etc. Pleasure and health resort of 5,000 people in Indiana. No competition. A big bargain for some one if taken at once. One-third cash, balance to suit purchaser. Speak quick. Address MEXICO, care Florists' Review.

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Cattleyas.
Dendrobiums.
Laelias.
Cypripediums.
Etc., Etc.



Lilies.
Roses.
Carnations.
Violets.
Etc., Etc.

AND FANCY STOCK OF ALL KINDS.

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MacDonald & McManus,

50 W. 30th Street, NEW YORK.

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200 Hydrangeas.

Thos. Hogg and **Otaksa,** 3½-inch pots, nice bushy plants, $5 per 100. 300 **Fuchsias,** single var., such as Black Prince, Mrs. Marshall, Earl of Beaconsfield, Karl Holt and other good sorts; 2½-inch pots, $2.50 per 100. 300 **Rose Geraniums,** large leaf, 2½-inch pots, $2.50 per 100. **Heliotropes,** Mme. Bruant and others; 3-inch pots, $2.50 per 100. Also, **Salvia Clara Bedman, Othonna Gracilis, Pilea, Vernon Begonia;** finest double **Petunias,** 2-inch pots, $2.50 per 100. Double **Petunia Pink Beauty,** 4-inch pots, $5.00 per 100. Hardy **Perennial Phlox,** the Pearl, Miss Lingard, and other good var., field grown, $5 per 100; rooted cuttings of same, $2 per 100. **Coreopsis,** Harvest Moon, field grown, $5 per 100. **Rudbeckia Golden Glow,** strong; 3-inch pots or field grown, $5 per 100. 1000 **Geraniums,** in best bedding var., single and double; 2½-inch pots, $2.50 per 100; 1000 for $15. **Alternantheras,** P. Major, A. Rosea, 2-inch pots, $2 per 100; per 1000, $15; rooted cuttings of same, 50c per 100; 1000 $4. Cash with order or C. O. D.

Wanted in exchange 200 to 300 Mammoth **Verbenas,** young **Roses,** such as Hermosa, white and pink La France, Kaiserin and other good var., or what have you to exchange.

C. G. NANZ, Owensboro, Ky.

PELARGONIUMS

A small surplus, fine plants from 3-in. pots, of these kinds only: Mme. Thibaut, Mme. G. Henri, Mme. Vibert, Mrs. Sandiford and Pink Beauty. Our assortment, in proportion to stock, 12c. each in any quantity, while they last.

W. T. BELL & SONS, Franklin, Pa.



Address all orders to

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The Clara Cemetery Vase

Patent applied for by Mrs. C. W. Pike.

A Receptacle for Flowers, long needed for the Cemetery.

The **CLARA VASE** for use at the Cemetery is a handsome as well as one of the most useful articles ever placed on the market. It is absolutely a new thing and takes the place of all the old tin cans, bottles and various old truck that are usually found in the cemetery for holding flowers, and prove such a disgrace where everything else is beautiful and ornamental. It is composed of solid glass and stands about twelve inches high. The lower end is sharp-pointed so it can be imbedded about six inches in the ground and stand firm. It will hold sufficient water to keep the flowers fresh and sweet, and will accommodate flowers with long as well as short stems. The vase is bell shaped and the top has a diameter of about five inches.

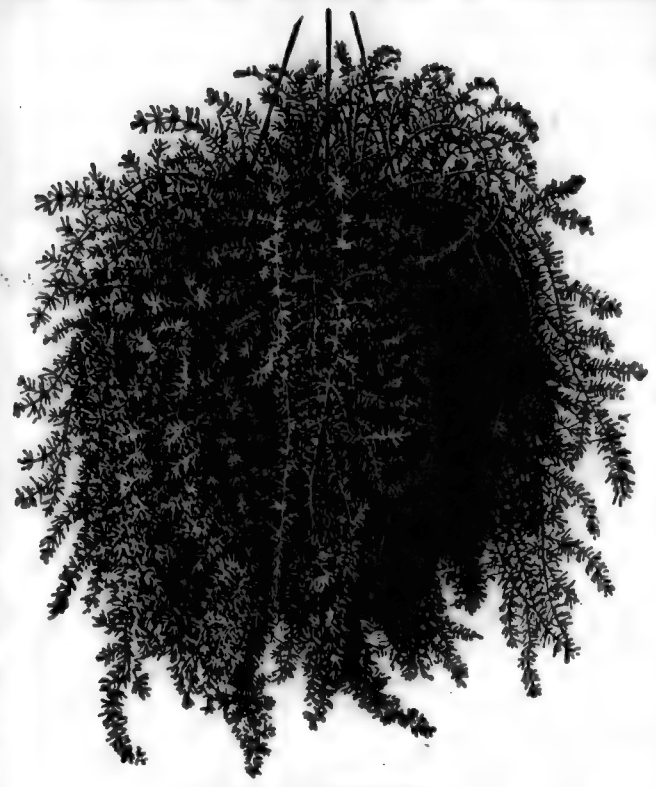
The vase is sold at a very low price and is within the reach of all classes. It is very strong and well made and can not be broken by rough handling.

Prices, delivered to railroad or express companies in Chicago:

One Dozen, ...	$3.50
Three Dozen, at	3.25
Five Dozen, at	3.00

Samples sent on receipt of fifty cents (50c.) each.

These vases will retail in the market for from 50c to 75c each, thereby giving the dealer a profit of over one hundred per cent on his investment.



ASPARAGUS SPRENGERII.

Good Things worthy of all Florists' Notice.

ASPARAGUS SPRENGERII PLANTS.

WE have left a few hundred 3 and 4 year old dormant roots from a large consignment just received in splendid condition and offer them until sold:

3-year-old at $4.00 per doz., $25.00 per 100; 4-year-old, $4.50 a doz., $35.00 a 100.
Asparagus Sprengerii Seed, $10.00 per 1000, $1.25 per 100.
Asparagus Plumosus Nanus Seed, $10.00 per 1000, $1.25 per 100.

CANNAS—New Italian Orchid Flowering.

DORMANT FIELD PIECES.	1000.	100	Doz.
Austria	$25.00	$3.00	$0.50
Italia	35.00	4.00	.75

TUBEROSES.

Double Pearl, 4-6 in. bulbs	5.00	.75
Double Pearl, 3-4 in. bulbs	2.50	.40

GLADIOLUS.

Very fine, mixed, large bulbs	5.00	.60
Caladium Esculentum Elephants Ears, 4-6 in. bulbs	18.00	2.00
Caladium Esculentum Elephants Ears, 5-7 in. bulbs	20.00	2.50
Caladium Esculentum Elephants Ears, 7-9 in. bulbs	35.00	4.00
Caladium Esculentum Elephants Ears, 9-11 in. bulbs	55.00	6.50
Lily of the Valley pips, from cold storage, useful either for forcing or outside planting	8.00	1.00
Spirea Astilboides, strong clumps	35.00	4.00

PALM SEEDS—New and Fresh.

Cocos Weddeliana	5.00	.75
Geonoma Gracilis	10.00	1.25

Latania Borbonica, $20.00 per 100 lbs.; 30c per lb.

Get our prices on all kinds of Imported Bulbs, Seeds and Plants.

Importers, Exporters and Growers' Agents of Seeds, Bulbs and Plants...

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501-503 W. 13th St., NEW YORK.

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Walter F. Sheridan
Wholesale Florist
39 West 28th Street
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Will have a full line of Roses, Carnations, Lilies and Violets of exceptional quality for Easter
Prices on application.

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...PLANT AUCTIONEERS...

SALES EVERY TUESDAY AND FRIDAY at 11:00 A. M.

Send for Catalogues.

.....60 VESEY STREET, NEW YORK CITY.

Asparagus Plumosa Nana

(TRUE).

10,000 plants in 2 inch pots. Will be ready to deliver about May 1st and will be sold cheap. For prices apply to

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Wholesale Cut Flower Grower.

FIRST-CLASS STOCK.

ROOTED RUNNERS, CAMPBELL VIOLETS, 75c per 100 WILL EXCHANGE some for Marie Louise, fine clumps, $4.00 per 100. GERANIUMS, standard varieties, in 2 in. pots, $2.50 per 100; 3 in., $4.00 per 100; MAMMOTH VERBENA, 2 in. pots, $2.00 per 100; ROOTED CUTTINGS OF CARNATIONS, 10 varieties, $1.00 to $5.00 per 100; COLEUS and ALTERNANTHERA, red and yellow, rooted cuttings, 75c per 100; 2 in. pots, $2.00 per 100; BRIDE and BRIDESMAID ROSES, 2 in., $2.50 per 100; 3 in., $5.00 per 100. Let me price your wants.

GEO. M. EMMANS, Newton, N. J.

SURPLUS STOCK

Dreer's single large flowering Petunia Transplanted Seedlings, $5.00 per 1000, 60c per 100.
Fuchsias, double and single, 3 in. pots, per 100. $4.00
Geranium, best varieties, 3 in. pots, per 100... 4.00
Feverfew, double white, 2½ in. pots, per 100.. 2.50

E. EGGERT,

CASH, PLEASE. New Britain, Ct.

NEW YORK MARKET.

Week Ending March 20th, 1898.

Am. Beauty, fancy, extra, long stem, each	10c to 15c
Am. Beauty, extra, each	6c to 8c
Am. Beauty, culls and ordinary, per 100	.50 to 4.00
Brides, 1st, per 100	2.00 to 4.00
Brides, 2d. per 100	.75 to 1.50
Bridesmaids, 1st, per 100	2.00 to 4.00
Bridesmaids, 2d, per 100	.75 to 1.50
Brunners, 1st, per 100	10.00 to 20.00
Brunners, 2nd, per 100	4.00 to 8.00
Meteors, 1st, per 100	2.00 to 4.00
Meteors, 2d, per 100	.50 to 1.00
Testouts, 1st, per 100	2.00 to 4.00
Testouts, 2d, per 100	.50 to 1.50
Morgans, 1st, per 100	2.00 to 3.00
Morgans, 2d. per 100	.50 to 1.00
Cusins. 1st, per 100	2.00 to 3.00
Cusins, 2d, per 100	.50 to 1.00
Perles, per 100	.50 to 2.00
Carnations, per 100	.75 to 1.50
Carnations, fancy, per 100	2.00 to 3.00
Valley, per 100	.50 to 1.50
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	3.00 to 5.00
Violets, per 100	.10 to .30
Paper white Narcissus, per 100	2.00
Cattleyas, per 100	20.00 to 30.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 2.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	10.00 to 16.50
Asparagus, per 100	50.00
Purple Lilac	75c per bunch
White Lilac	1.00 per bunch
Mignonette, fancy	2.00 to 4.00
ordinary	10c to 25c per bunch
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.75 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The market has been uniformly dull, with scarcely an exception during the entire past week.

Carnations and smilax are still somewhat short of demand—smilax especially so—being scarce every day, while Saturday and Monday are about the only days when the carnation scarcity is felt to any extent.

Roses have been and are yet plenty, not merely plenty, but in over supply. Demand, both shipping and local, is light, and in consequence prices, at which the bulk of ordinary stock move, are lower than at any time so far during Lent—(this season).

Things have been very uneventful—a sort of monotonous drag, noticeable everywhere—with only semi-occasional spurts.

Violets have sold quite readily at fair to good prices.

Spring bulb stuff from southern shipping points has come and sufficiently heavy to cut some little figure, as street venders, to some extent, have deserted roses for it.

Several large growers of Harrisii are backward with their Easter stock, and in spite of all efforts to force them, are afraid that they will fail to make connections. The chances favor a short market on them this Easter.

SUBSCRIBE for The Florists' Review if you have not already done so, and receive a certificate entitling you to the earnings on one dollar's worth of stock in the Florists' Publishing Company.

WEST CHARLESTON, O.—Joseph R. White, the nurseryman, committed suicide March 13. No cause is assigned for the act.

GERANIUMS.—Grand Bedders and New. 40 var. $1.30 per 100, $10.00 per 1000. **Alternanthera.**—P. Major and Yellow, fine little plants. **Coleus.**—30 finest var., Sage, Grandiflora and Bonfire, 2 best. **Petunia.**—Ruffled Giants, 85c per 100, $5.00 per 1000. **Pansies.**—Best, Giant and Bugnot in bud, $6.00 per 1000. Small, 60c per 100, $3.00 per 1000; 100 rates by mail, 1000 rates by express, any quantity. Send for my list.

Daniel K. Herr, - Lancaster, Pa.

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WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES

88 and 90 Wabash Avenue, Chicago.

BUY YOUR FLOWERS DIRECT FROM THE GROWER

Large stock of Roses, Carnations, Harrisii Lilies, Callas, and in fact all Cut Flowers for..... **EASTER.**

Send your orders in early so we may be able to give you good stock.

W. A. McFADDEN.

"Rosebank"

NEAVE BUILDING, CINCINNATI.

Producers and Shippers of every description of High Class Floral Supplies.

Cattleya. **Orchids.** Dendrobium.

Quotations issued weekly, forwarded on request.

Stock That Will Please You.

CARNATIONS in 2 in. pots or rooted cuttings. Mrs S. A. Northway, $1 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, $10 per 1000. All the new ones at regular prices.

GERANIUMS in 2¼ in. pots. Heteranthe, S. A. Nutt, La favorite, $25 per 1000; Mme. Bruant, M. Alphonse Ricard, J. J. Harrison, Fleur Poitevine, $5 per 100; Frances Perkins, best double pink, Surprise, Duchesse de Maible, $4 per 100, our selection $20 per 1000; Rose, $2.50 per 100; Mme. Salleroi, $2 per 100; Rooted Cuttings S. A. Nutt, $12 per 1000.

AGERATUM Tapis Blue cutting from flats, 60 cts. per 100; 2 in., $1.25 per 100; Dwarf Beauty, 2 in., new, $2 per 100; VINCA VAR. 5 in., strong, $6 and $7 per 100; DRACAENA INDIVISA, 3 in., $8 per 100, strong; GENISTA RACEMOSA, 4 in., fine, $10 per 100; BEGONIA VERNON, 2 in., $25 per 1000; BEGONIA VULCAN, $3 per 100; HELIOTROPE, Jersey Beauty, rooted cuttings, 60 cts. per 100; 2 in., $1.50 per 100; COLEUS KLONDYKE, $1.20 per doz, $6 per 100. 6 COLEUS KLONDYKE WITH EVERY ORDER OF $5.00 AND OVER. Terms cash or half cash and half C. O. D. Stock A No. 1.

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PALM SEED

A List of All Varieties upon Application.

J. L. SCHILLER, 404 E. 34, New York

CRAW'S FERTILIZED ....FLOWER POTS

For growing and shipping plants. Send at once for samples; no charge. If you grow tomatoes or pot plants you cannot afford to pass over this.



Made of extra heavy manilla waterproof cardboard, fertilized, wire stitched seams. Perfect drainage and shipped flat. No extra charge for packing case or cartage.

SIZE.	GROSS WEIGHT PER 1000	PER 100	PER 1000
2¼-inch	About 30 lbs.	$0.25	$2.000
3-inch	" 40 "	.40	3.00
3½-inch	" 50 "	.55	5.00

Terms Net Cash with order.

These square pots economize space, giving more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps and turn them up (see cut), allowing the roots to grow without check.

Address all orders to

STUMPP & WALTER CO.

50 Barclay Street, NEW YORK.

Cabbage Plants.

EARLY JERSEY WAKEFIELD, $1.00 per 1000.

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EASTER FLOWERS...

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Wholesale Growers of and Dealers in Cut Flowers

We have the following grown especially for the

...EASTER TRADE...

HARRISII LILIES 25,000 of the finest Harrisii Lilies, grown from 7 to 9 bulbs. We pack these in boxes made for the purpose, holding 100 Lilies each, and of such size that their full length of stem is had. These lilies are all carefully chilled before being shipped, and we guarantee their safe arrival.

LILY OF THE VALLEY We offer 15,000 of the finest selected cold-storage Valley. Heavy dark green foliage and large flower spikes. Price, $3.00 per 100.

DAFFODILS Double Von Sion. 10,000 fine large flowers. Price, $3.00 per 100.

TULIPS 20,000, consisting of La Reine, Yellow Prince, Cardinal, Murillo, Kaiserskroon, etc.

ASPARAGUS 3,000 very fine, long strings. Price, 40c each.

SMILAX Extra heavy, $2.00 per dozen.

AMERICAN BEAUTIES Our Beauties were never in better shape, and are coming in crop with the finest flowers ever placed on the market. We have 50,000 plants to cut flowers from.

TEA ROSES A large stock, such as Brides. Bridesmaids, Meteors and Perles, all of our own growing.

CARNATIONS A limited quantity of Fancies, such as Jubilee, Mrs. Bradt, Flora Hill, Triumph and extra fine Daybreak.

Rooted Cuttings We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all cuttings to be in first-class condition in every respect, and will be delivered as you want them.

Our flowers are all carefully chilled before shipping. We have the finest ice house in the west. Write us for our price-list, which we issue every week, giving current prices of our goods.

...ROSES...

Brides
Bridesmaids
Meteors

$1.50 Per 100.

Do not write for other kinds for we do not grow them.....

We shall have abundance of nice Plants later in the season.

SEND IN YOUR ORDERS NOW.

...CARNATIONS...

	Per 100.	Per 1,000.
Triumph	$3 00	$25 00
Daybreak	1 50	12 50
Wm. Scott	1 00	7 50
Harrison's White	2 00	
Minnie Cook	1 50	12 50
Rose Queen	1 50	12 50

Greenhouses and Residence,
HINSDALE. ILL,
Long Distance 'Phone No. 10.

Bassett & Washburn, Store....88 Wabash Avenue, Chicago, Ill.
Long Distance 'Phone Main 223.

EASTER IS COMING

Be prepared for it. Place your orders with us now to be sure to have them filled with first-class stock. That's what we handle, and at the right prices.

Growers, Attention!

CONSIGNMENTS SOLICITED

If you are consigning to the Chicago market, it will be.....

MONEY IN YOUR POCKET

to correspond with us before sending elsewhere.



Our Easter Price List

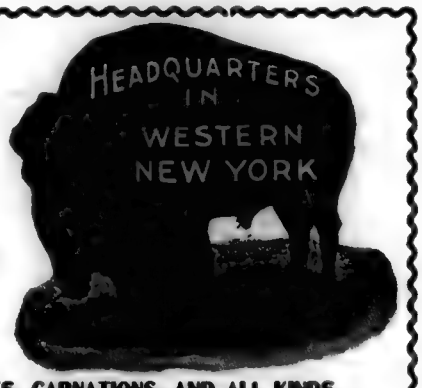
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Send... ...For it

IT WILL BE SENT FREE ON APPLICATION.

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GIVE US A TRIAL WE CAN PLEASE YOU.



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Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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The Greatest Perfection attained in the Canna line as yet

either foreign or native, and the largest trusses and flowers of the whole Canna tribe, of a rich, deep scarlet shade. Plants very dwarf as well as vigorous, producing more flowers than any variety introduced yet. It is without question the most ornamental plant introduced for years. We are headquarters for the genuine stock of it.

Strong Pot Plants at 50c each
$5.00 per doz., $35.00 per 100
to the trade

Denys Zirngiebel,

NEEDHAM, MASS.

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET
ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

H. L. SUNDERBRUCH CO.

Wholesale Commission Florists. Consignments Solicited.

Special Attention Given to Shipping Orders.

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ST. LOUIS CUT FLOWER CO.

Wholesale Florists

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1620 Olive St., St. Louis, Mo.

GLADIOLUS BULBS.

	Size	100	1000
Very fine, mixed	No. 2	$0.75	$5.00
Good, mixed	" 2	.65	4.50
Isaac Buchanan	" 2	1.25	10.00
" "	" 3	1.00	7.50
Reine Blanche	" 1	1.25	10.00
Marie Lemoine (Orchid marked).	" 1	.75	5.00
" "	" 2	.60	4.00

Cash with order. Reference R. G. Dun & Co.

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Wholesale Florists & Florists' Supplies.

Wire Designs Our own make.

Phone 874. P. O. Box 103.

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Surplus Stock Cheap.

500 Hydrangeaed Paniculata 4 years old, strong and stocky at $10.00 per 100. 500 Cannas Austria, strong from 4 in. pots, $10.00 per 100; 500 Coleus Verschaffeltii, strong stock plants from 2½ in. pots at $4.00 per 100.

EVENDEN BROS.
Williamsport, Pa.

SEEDS
WIRE WORK
BULBS

BUY YOUR

SEND FOR
CATALOGUE

Easter Flowers, Etc.

Write For Price List.

ORCHIDS
HARRISII LILIES
CALLA LILIES
LILAC, BULB STOCK

FROM

FANCY ROSES
FANCY CARNATIONS
FANCY MIGNONETTE
FANCY VIOLETS

Vaughan, McKellar & Winterson

SMILAX
WILD SMILAX
GALAX LEAVES
FULL LINE OF ALL

CHICAGO

BLOOMING PLANTS
ASPARAGUS
FANCY COMMON FERNS
SABAL PALM LEAVES

Florists' Supplies **45-47-49 Wabash Ave.** .....Place Orders Early

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Wholesale Florist

I always carry a large stock of the finest Cut Flowers and aim to handle the best in the market. My California Violets and Carnations are pronounced the finest in the country, and my Roses can't be beat. Being close to all railroads and express offices, enables me to fill out-of-town orders on the shortest possible notice. Prices mailed on application. Write, telephone or telegraph me.

1526 Ranstead Street, Philadelphia, Pa.

N. DAMES
OF THE FIRM
VANDERHORST & DAMES,
BULB GROWERS,

Lisse-Heemstede, - Holland,

is on his round-trip in America. To save time we beg to address all letters up till May 15th

Care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York.

Give us list of your wants and we will send you our best quotations. Our specialties are:

Double Von Sion, Hyacinths and Tulips.

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15,000 Gannas from 3-inch pots at $4 per 100. the lot for $50. Charles Henderson, Beauty of Poitevine, Florence Vaughan, Egandale, Ed. Mieg, Oriflame, Queen Charlotte, etc. Ready April 1st to 15th. 3000 Daybreak rooted cuttings, clean ann healthy, at $1 per 100. Ready in April.

A. RASMUSSEN, New Albany, Ind.

Peacock's Prize Winning Dahlias

36 First Prizes out of 39 entries in 1896 and 1897

Send for 1898 Illustrated Descriptive Wholesale Catalogue before placing orders elsewhere.

W. P. PEACOCK, ATCO, N. J.

Only 3000 Geraniums Left.....

2½-in. pots, named varieties, $25 per 1000.
250 Field-grown Vinca Var., 4-in. pots, $10 per 100.
2000 Begonia Vernon, 2½ and 4-in. pots, $4 per 100.
Rooted Cuttings—Coleus, Ageratum, Salvia, at bottom prices.

GEO. W. GASKILL,
212 N. Tod Avenue, Warren Ohio.

CLEVELAND.

Lent still casts its shadow over the florists of Cleveland, but for some reason it does not seem to be a very heavy one this year. Of course, social matters are practically at a standstill, but ordinary matters, the home use of flowers, transient trade and funerals all combine to save us from ruinous stagnation. In fact, while there are flowers going to waste, there is nothing that approaches a glut as yet, and lower prices on everything help to move it off in one way and another. The funeral of one of the members of the city council last Sunday also called for a good deal of stock of various kinds, the orders being pretty well distributed among the various florists.

Messrs. Graham and Cushman returned from Washington last Friday, where they had been in attendance at the executive committee meeting. Many matters of interest to the trade were discussed. They also had a very pleasant time socially in Washington, and met many men of floricultural wisdom from various eastern points. Coming back, they visited Schenley Park, Pittsburg, and under the guidance of Mr. Falconer, saw all that was to be seen—which is a great deal, according to what we hear. The palms and ferns of all sorts were very fine, and a new feature in the form of a house devoted solely to economic plants gives promise of being a very taking feature as soon as it has had time enough to grow and develop.

Easter plants for the Easter display were coming along finely. Hydrangeas in large sizes in quantity, big genistas in good shape, cinerarias of all colors, azaleas and bulb stock were to be seen in such quantities as must make a wonderful exhibit at Easter time.

Some further travel through various greenhouses since the last report tends to confirm the impressions in regard to Easter stock received through former visits. Ever since then we have been having steady, warm, sunny weather, which has advanced stock wonderfully, as well as having in many cases wrought considerable improvement in the quality. Many lilies that formerly seemed late have a fair chance now. On the other hand, some azaleas are going to be very difficult to hold, unless the weather should change very much from what we have been having. NEMO.

WASHINGTON, D. C. — Madame Chatenay Rose, grown by the American Rose Co., distanced all competitors and was used by Mr. Pfister at the White House as the table decoration for the banquet given by President McKinley to Prince Albert of Belgium. The rose as grown by this firm would hardly be recognized as the original Chatenay. In fact, it is said to partake now of the character of a sport.

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S.B. WINTER

Full Line of Wire Designs and Florists' Supplies.....

21 Randolph St., ...CHICAGO

HIGH GRADE.....

Cut Flowers..

Properly packed and promptly forwarded.

We beg to announce that the firm of Winter & Glover has been dissolved. The above named will continue the business, and hopes for a continuance of the confidence of the trade. Our facilities for handling orders are unsurpassed, and we feel confident we can serve you with anything in our line to your entire satisfaction.

EASTER Is close at hand. Give us your order early, and you may be sure it will be filled with choice stock.

CUT FLOWERS AND PLANTS For Easter

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Our Specialties Violets, Roses, Carnations, Smilax, Etc.

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Mrs. Fisher, $7.00 per 1000	1.00	per	100
Wm. Scott, $8.00 per 1000	1.10	per	100
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Sweet Alyssum	.50	per	100
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PRICE LIST.

Week of March 20, 1898.
Subject to Change Without Notice.

SEE our Price List for Easter in coming issues of all trade papers. Book orders early, as they are filled in rotation.

P. and D. at Cost.	Per 100
Meteors, extra select	$5.00 to $8.00
Brides, Maids, extra select	4.00 to 6.00
Meteors, Bride, Maid, good average	3.00
Perles, extra select	3.00 to 4.00
Roses, our selection	2.00
Callas, Harrisii	7.00 to 10.00
Tulips, all kinds	2.00 to 4.00
Klehm's Novelty Tulip (Pink)	3.00 to 4.00
Violets	.75 to 1.00
Valley, our specialty—the best	2.00 to 4.00
Smilax, scarce	15.00 to 20.00
Carnations, extra select	2.00
Carnations, good average stock	1.50 to 2.00
Narcissus, Daffodils	2.00 to 3.00
Marguerites	.50 to .60
Adiantum, very scarce	1.25
Asparagus	per string, 50c. to 65c.
Galax	per 1000, $1.50 .20
Common Ferns	per 1000, 2.00 .25

Common Ferns 500 sold at 1000 rates.

Asparagus always on hand.
All flowers in season at lowest market rates.
Store open until 6:30 P. M. week days, until noon Sundays and Holidays.
We always ship extra select or high-grade goods unless otherwise ordered.

FOR EASTER TRADE

HARRISII IN GREAT NUMBERS

Carnations A Specialty. We control more Carnations than any other house in the country, and can fill orders large or small.

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Lily of the Valley Western agents for E. G. Asmus' high-grade stock—best and most uniform grown.

HARRISII FOR EVERYBODY

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Special Line of BULB STOCK for Easter. Get your order booked.

Small and Large Orders Booked on all BULB STOCK.

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....FLORISTS' SUPPLIES.

Order Any Kind of Carnation Cuttings. We will get them for you. Write for Catalogue and Cut Flower Price List.

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ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

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FOR EASTER

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10,000 STRINGS ON HAND

Rose Hill Nurseries

Largest Growers of Palms, Orchids, Stove and Greenhouse Plants, Ferns, Araucarias, Pandanus.

New Wholesale Price List will be ready March 20th.

SIEBRECHT & SON,

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You will miss it

If you do not stock up with that grand white **Flora Hill,** at $5 per 100; $10 per 1000. Portia, Scott and McGowan, $1 per 100; $8 per 1000. 100,000 ready. Send for list of novelties and other standard sorts.

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..ROOTED CUTTINGS..

Smilax from flats, strong, 50c per 100; $4.50 per 1000.
Verbenas, 18 varieties, 70c per 100; $6 per 1000.
Vinca Major, $2.00 per 100.
Express paid, cash with order.

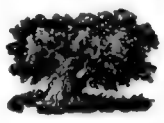
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Pears, Apples, Cherries, Peaches, Quinces, Small Fruits, Asparagus

3,000 Sugars and Norways, 10 to 14 ft.
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5,000 Elms, 9 to 11 and 12 to 14 ft.
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3,000 Horse Chestnut and Purple Beech, 6 to 9 ft.
15,000 Evergreens, all kinds and sizes.
10,000 Shrubs, all kinds and extra sixes.
20,000 California Privet, 2 to 4 ft.
10,000 Roses, extra strong.
4,000 Rhododendrons and Azaleas, extra strong.
5,000 Climbing Vines, extra strong.

I cater to park men, florists, cemeteries or any other man that wants stock in car loads or less.

Address, **STEPHEN CRANE,**

Prop. of Norwich Nurseries. NORWICH, CONN.

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Mammoth Verbena Seeds only	$1 00 per oz.
Aster Seeds only	1 00 " "
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Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application,

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Seasonable Flower Seeds.

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Ordinary, ordinary Stock	per 100,	$1.25—
Extra	"	1.50—2.00

ROSES.

Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	3.00—
Maids	"	3.00—
Meteor	"	3.00—
Perles	"	2.00—

GREENS.

Asparagus	per string,	60.—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—
Smilax extra heavy, per doz.		1.50—
Galax	per 100, 15c., per 1000,	1.25—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—

Fresh stock always on hand.

MISCELLANEOUS.

Marguerites	per 100	.50—
Mignonette	per 100,	1.00—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—
Lilac, per bunch		1.00—
Romans, Valley	per 100	2.00—3.00
Paper White Narcissus	"	2.00—
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Freesia (extra select)		2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies, per 100		.50—

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves.
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New PRICE LIST for SPRING and SUMMER. If you have not received it, send postal;



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Horticultural imports and exports from Europe, China, Japan, Australia, Mexico, etc.

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In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

CHAS. T. DARLING,
Stony Brook, L. I., N. Y.

30,000 DAHLIAS.

Before ordering your Dahlia Stock, be sure and send for my Catalogue.



The leading Dahlias of the world, **$5.00** to **$7.00** per 100 for large field grown roots.

Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

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STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 1.00; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

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That will please you and prices that will suit you.

S. A. Nutt, La Favorite, Heteranthe, $2.50 per 100; $20 per 1000; Beaute Poitevine, Mary Hill, $3 per 100; Mme. Bruant, Frances Perkins, $5 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

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FINE HEALTHY STOCK OF ....

Brides, Maids, Meteors and Morgans

2½ to 3½ in. pots. Ready for delivery. Write for prices.

JOHN HENDERSON CO., Flushing, N. Y.

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3000 Beauties, 2½	5c
500 Meteors, 2½	3c
500 Meteors, 3	5c
1000 Golden Gate, 3	4c
1000 Maman Cochet, 3	5c
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SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

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GRAND RAPIDS, MICH.

Carnation Exhibitit of Club.

The Grand Rapids Florists' Club held a carnation meeting at Crabb & Hunter's. Previous to the meeting the greenhouses were thoroughly inspected and much favorable comment made on the quality of their violets, which all declared were the finest they ever saw and could not be improved on. The rest of their stock was in keeping with their violets.

This meeting marks an epoch in the history of carnation growing in this locality, for in it was inaugurated a movement to improve the quality of flowers, even at the expense of quantity, and strive to secure a proper price for this higher grade of flowers, both in the local and shipping trade. Henry Smith and George F. Crabb, the committee appointed to secure exhibits for the meeting, met with good success, and the following firms helped to materially advance the cause of the divine flower: E. G. Hill, Richmond, Ind., staged some immense blooms of Flora Hill and Jubilee, also Painted Lady, Psyche and their seedlings, America and Scarlet Queen.

Fred Dorner & Sons Co., Lafayette, Ind., Gold Nugget, winner of the Cottage Garden's silver cup, White Cloud and immense blooms of Mrs. G. M. Bradt.

Wm. Swayne, Kennett Square, Pa., sent his dusky Empress in fine shape; Dan'l B. Long, Buffalo, N. Y., his famous Genesee; C. F. Baker, Utica, N. Y., Red Jacket and Oneida; R. Witterstaetter, Cincinnati, O., Evelina, queen of the Chicago show; Geo. Hancock, Grand Haven, Fire Fly and Gold Coin, also a vase of mixed seedlings.

The local florists put up a fine display, which added much to the importance of the meeting, as contrasts and comparisons could be made with the higher grades of flowers.

N. B. Stover Floral Co. staged fine Spray and Scotts; Henry Smith showed Flora Hill, Jubilee Armazindy, Mrs. McBurney, Duhme and Morello; Alfred Hannah staged Flora Hill, Scott, Jubilee and Dazzle; F. A. Chapman a vase of Victor.

Crabb and Hunter exhibited a vase of mixed seedlings. including their new pink, Irene, also Flora Hill, Jubilee, Duhme, Lily Dean, Scott, Morello, Mrs. McBurney, Dazzle, Ivory and Mayor Pingree.

Discussion.

The meeting was called to order by Pres. N. B. Stover. James Hancock, of Grand Haven, gave an interesting talk of his experience with new carnations, which, together with the discussion which followed, drew out the following conclusions:

In order to ascertain what varieties will succeed best with you, it is necessary to try a few of all; you will certainly find some with which you will

(Concluded page 706.)

Easter Flowers For Easter.

Roses, Carnations, Violets

And all Bulbous Stock.

ALL HIGH GRADE AND SELECTED.....

Special Attention Paid to Shipping Orders.

M. A. HART, 44 W. 29th Street, ...New York City.

The New York Market Florists Association will open the season at Clinton Market for the sale of Plants, March Twenty eighth, at four a. m., and will open every week day till further notice.

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A. D. ROSE
Secretary

ANNOUNCEMENT

I have been appointed Sole Agent in the United States and Canada for the Societe Horticole Gantoise, which is the largest establishment of the kind in Belgium, thus enabling me to quote the lowest prices upon the highest grade of Azaleas, Palms, Rhododendrons, Araucarias, Bay Trees, etc. This firm being already well known to the Americen trade, needs no further introduction. Am also agent for Brazilian Tonic Plant Food. Soliciting your orders and correspondence, I am, yours very truly,

F. L. ATKINS, Orange, N. J.

DAHLIAS.---3000 pot grown Pompon and large flowering Dahlia roots of the finest varieties. 1000 Alba Imbricata dwarf Dahlia. Best for early cutting when grown in pots, $5.00 per 100.

GLADIOLUS.---Mme. Monneret, first size bulbs, $5.00 per 1000; second size, blooming bulbs, 25 cents per 100; $2.50 per 1000. **Cash with Order.**

E. HAENTZE, Fond du Lac, Wis.

Roses. Extra strong plants from 3 inch pots, $5 per 100; Perle, Bride, Bridesmaid, Pink and White La France. American Beauty from 2½ inch pots, $5 per 100; Bridesmaid, strong, 2½ inch pots, $4 per 100; Verbenas, Mammoth Strain, 2 inch pots, $2.50 per 100; Swainsona Alba, strong plants 4 inch pots, $1.25 per doz; Ismene Calathina Blooming Bulbs, $12.50 per 100. Junipers, Irish and Swedish, Rooted Cuttings. Samples and prices on application. Address

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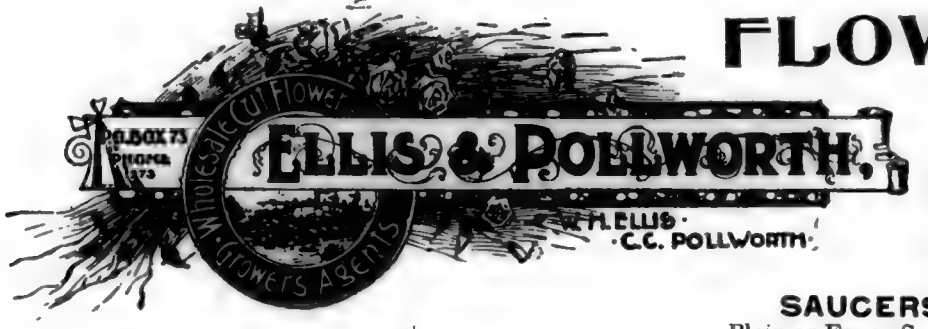
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We handle all the best varieties of CARNATIONS in quantities.
Fine VIOLETS—double and single.
VALLEY the year round, also a large assortment of all other seasonable flowers.
Our shipping facilities are unsurpassed and our new style shipping box gives the best possible results.

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Now is the time to get your Spring supply.

STANDARD POTS
Height and width inside.

	Per 1000		Per 1000		Per 100
2 Inch	$3.50	4 Inch	$ 7.50	9 Inch	$ 7.00
2½ "	4.00	5 "	12.00	10 "	8.75
2½ " 3 in rose	4.50	6 "	19.50	12 "	18.00
3 "	5.00	7 "	43.00	15 "	40.00
3½ "	6.00	8 "	60.00	17 "	60.00

Special Prices on Large Quantity or Car Load Lots.

SAUCERS.
Plain or Fancy Saucers.

4 Inch Saucers, per 100	$0.50	9 Inch Saucers, per 100	$2.50
5 " " "	.75	10 " " "	3.00
6 " " "	1.00	12 " " " per doz	.70
7 " " "	1.25	15 " " "	1.50
8 " " "	2.00	17 " " "	2.00

FERN DISHES.
(Earthenware.)

6 Inch Fern Dishes, per 100	$3.00
7 " " " "	3.60
8 " " " "	4.20
10 " " " "	6.00
12 " " " "	8.00

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ELLIS & POLLWORTH, Milwaukee, Wis.

NEW GIANT ESCHSCHOLTZIAS,

"The Golden West,"

50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Venture Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea., Cal.

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New and Standard Varieties.

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THE ELIZABETH NURSERY CO.

Send for our Catalogue.

Large Trees, Shrubs, and Vines. Privet and Ampelopsis Veitchii by the 10,000. 50,000 Peach Trees cheap.

THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J

be successful, then discard the rest; as soil, climatic differences, different methods of cultivation, all enter into the degree of success or failure attained. A variety that will do well with one firm is or rather may be a failure with another. Crabb & Hunter are the only ones round Grand Rapids who can make a success in growing Ivory; with them the flowers are large, with strong stem, and as free as Scott; it is the white for them to grow. Again, Chas. Chadwick has his best success with McGowan, which variety is now pretty well discarded, except a stray batch here and there, grown more for stock than the flowers. The Stover Floral Co. are apparently the last remaining champions of the once indispensable Silver Spray. In this section, its days are numbered; we can no longer grow it as of yore, or as Stover grows it. Henry Smith grows Lamborn extensively and well, and to him it is his best white. His success is so marked that others will try it next winter. The chief objection is its very weak neck. Paul Goebel apparently has come nearest perfection in cultural methods to the requirements of Flora Hill. Alfred Hannah says he has a white seedling that may not take a back seat for any variety. He is, however, very partial to Flora Hill and will plant largely of that variety next year.

Of the three new whites some thought Genesee might prove the most profitable, the flower being medium in size and might produce flowers easier and more abundantly than the others. From the description of the Chicago show, given by the committee, all were inclined to favor White Cloud and Evelina as the best up-to-date whites, and all three will be given a thorough trial; as will all the varieties exhibited, particularly Gold Nugget, it being a better shade of yellow than Mayor Pingree.

A vote of thanks is extended to Messrs. Hill, Dorner, Swayne, Witterstaetter, Baker, Long and Hancock for their generous contributions to the meeting.

It was decided that twenty-five cents per dozen, the present prevailing price, was too cheap at which to sell a higher grade of flowers, and an effort will be made to advance the price of certain varieties to 50 and 75 cents per dozen next winter, according to quality; failing to get that price, to make the growing of such flowers pay, they will be shipped to where better prices prevail. The progress and evolution of the high grade carnation was compared to the chrysanthemum of five years ago.

Banquet.

This most important meeting ever held by the club was followed by the usual banquet (a vote of thanks to Mr. and Mrs. Crabb), and a continued social discussion of the merits of the various seedlings before breaking up.

GEO. F. CRABB.



Galax Leaf.
Much reduced.

KELSEY'S
Galax Leaves
AND LEUCOTHOE SPRAYS (GREEN)
FOR EASTER

BRILLIANT GREEN AND BRONZE.

They are now too well known to need description.

FOR USE WITH VIOLETS THE SMALL GREEN LEAVES HAVE FOUND ENORMOUS DEMAND.

GALAX LEAVES are to be seen at all the best FLORAL Decorations, particularly at Funerals, Weddings and Parties.
For EASTER, and to supply the demand during the summer months, I have placed a very large supply in Cold Storage, packed in original cases, and can ship promptly from Boston on order by mail or wire.

PRICES

GALAX—Large or small, either color, per thousand, $1.00; less than case, $1.25 per thousand.
LEUCOTHOE SPRAYS—Per hundred, $1.00; per thousand, $8.00.

Case A—5000 Galax, assorted sizes and colors, $5.00
Case B—Same, with 200 Sprays, $7.00
Case D—5000 Large Bronze, $5.00
Case E—5000 Small Bronze, $5.00
Case H—5000 Large Green, $5.00
Case I—5000 Small Green, $5.00
Case L—500 Leucothoe Sprays, $5.00

Order cases by letter, or larger quantities by thousands. Be explicit in shipping directions. Telegraph orders save time. Large orders shipped direct from my Highlands Nursery in North Carolina, as long as cold weather lasts. Wholesalers will supply, or address telegrams, letters and orders to

Cable Address, "Kelmont Boston"
HARLAN P. KELSEY, 1150 Tremont Bldg., Boston, Mass.

JOHN I. RAYNOR

FIRST-CLASS
Flowers
IN ANY VARIETY AND QUANTITY.
Prompt attention to Shipping Orders.

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126 Dearborn St., Chicago.
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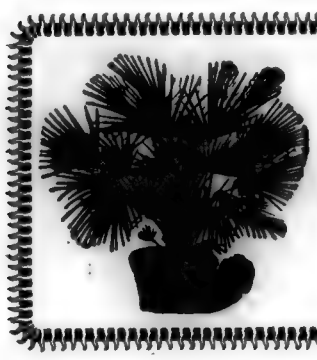
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40 South 16th Street, PHILADELPHIA.
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STRONG ROOTED CUTTINGS
Wm. Scott, McGowan, Rose Queen, $1.25 per 100; $10 per 1000; ready now. Daybreak, Albertini, Jubilee, Della Fox, Annie Lonsdale, and the best varieties of Chrysanthemums, ready March 20th. Cash with order.
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52nd and Woodland Ave., Philadelphia.



Largest Stock of TROPICAL PLANTS in the West

ESTABLISHED 1857.

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GROWER AND IMPORTER .....OF **Tropical Plants** 'PHONE Lake View 136

1708 North Halsted Street, Cor. Aldine Avenue, CHICAGO, ILL.

The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

...PALMS...

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
Areca Lutescens, 3 plants in pot	4-inch.	12-14			$3.60	$30.00
Areca Lutescens, 3 plants in pot	6 "	30-34	8-10	$0.75	9.00	
Areca Lutescens, 3 plants in pot	6 "	34-38	8-12	1.00	12.00	
Areca Lutescens, 3 plants in pot	8 "	40-50	....	2.50	30.00	
Cocos Weddeliana	3½ "	12-15	4- 6	.25	3.00	
" "	2½ "	7- 9	3- 4	....	1.50	
Kentia Belmoreana	4 "	16-18	4- 5	.50	3.60	30.00
" "	5 "	14-16	5- 6	.75	7.20	
" "	6 "	20-24	3- 5	1.25	15.00	
" Forsteriana	4 "	18-20	2- 3	.50	3.60	
" "	5 "	20-24	3- 4	.75	7.20	
" "	6 "	28-30	3- 4	1.25	15.00	
" "	8 "	50-54	4- 6	4.00	48.00	
Latania Borbonica	3 "	12-14	1- 2	.15	1.50	10.00
" "	4 "	14-16	3- 4	.25	3.00	25.00
" "	5 "	18-20	4- 5	.50	5.00	40.00
" "	6 "	18-20	5- 6	.75	9.00	
" "	8 "	30-36	6- 8	2.50	30.00	
" "	10 "	36-40	8-12	5.00	60.00	

...PALMS...

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.
Phœnix Reclinata	5-inch	18-20	4- 5	$0.50	$5.00
" "	6 "	22-24	4- 5	.75	9.00
" "	7 "	26-30	5- 6	1.00	12.00
" Canariensis	5 "	18-20	4- 5	.50	5.00
" "	6 "	22-28	5- 6	.75	9.00
" "	7 "	26-30	8-10	1.00	12.00

...FERNS...

Nephrolepis Exaltata, from 4-inch pots		per doz.	$1.50
" " " 5 "		"	2.00
" Bostoniensis, " 5 "		"	3.00

...MISCELLANEOUS PLANTS...

Asparagus Plumosus Nanus, from 3-inch pots	per 100	$8.00
Cyperus Alternifolius, from 4-inch pots	per doz.	1.00
Ficus Elastica, 4-inch pots, 8 to 10 inches high, 4 to 6 leaves	"	3.00
" " 5-inch pots, 14 to 18 inches high, 7 to 10 leaves	"	5.00
" " 6-inch pots, 20 to 24 inches high, 10 to 12 leaves	"	9.00
Pandanus Utilis, 4-inch pots	"	3.00
" " 5-inch pots, 16 to 18 inches high	"	5.00
Selaginella Martensii, 3-inch pots	per 100	6.00
" " 2-inch pots	"	4.00

Order Now. All orders from unknown parties must be accompanied by cash or acceptable references.

New Pelargoniums

The following new Pelargoniums of very recent introduction, will bring this class of plants to the front with a big jump. True florist or market type; compact habit, large and attractive flowers, easy growers, free bloomers. **Dorothy, Countess, Tommy Dodd, Champion, H. M. Stanley, Marie Mallet,** strong plants, 2½-in. pots, ready for 4-in., **$2** per doz.; **$10** per 100. 50 at 100 rate.

Just a few hundred left. Florists will make no mistake in buying these valuable varieties. These are not to be compared with the cheap scrappy plants generally sold. Cash with order.

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BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.

GERANIUMS **Bruant,** 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.

CANNAS nicely started, Mme. Crozy. P. Marquant, L. E. Bally. In assortment, 30c per doz., $2.00 per 100.

A. J. BALDWIN, Newark, O.

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Varieties: Alba Plena, Fimbriata, Candidissima.
Carnations, Victor Plants, from Pots. $4.00 per 100
" " Rooted Cuttings.. 3.00 "
Clematis, fine assortment, 2-year old plants, $3.00 per doz. For Particulars and Prices, Address

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A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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of Plants, Bulbs, Roots, Vines, Seeds and Planet Jr. F. & G. Tools. Send for Illustrated Catalogue before purchasing. Plants, $1.00, $1.50, $2.50 and up per 1000. We are members of the American Association of Nurserymen, American Dahlia Society, and two or three other national societies.

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Large Stock... **PALMS** Perfectly Healthy...

All Measurements are from Top of Pot.

..ARECA LUTESCENS..

3	Plants,	4-inch	Pot,	12 to 15	inches high			per 100,	$20.00
3	"	5	"	15 to 18	"	"		"	40.00
3	"	6	"	24 to 32	"	"	very bushy	each	1.00
3	"	7	"	32 to 36	"	"	"	"	1.50
3	"	8	"	36 to 42	"	"	"	"	2.00
3	"	8	"	42 to 48	"	"	"	"	2.50
1	"	10	"	4 to 5	feet	"	"	"	5.00

..KENTIA BELMOREANA..

2½-inch	Pot,	3	Leaves,	8 to 10	inches high			per 100,	$14.00
3	"	"	4 to 5	"	10 to 12	"	"	"	20.00
5	"	"	5 to 6	"	18 to 20	"	"	each,	1.00

..KENTIA FORSTERIANA..

5-inch	Pot,	4 to 5	Leaves,	24 to 30	inches high			each,	$1.00
6	"	"	4 to 5	"	30 to 36	"	"	"	1.25

..COCOS WEDDELIANA..

1 Plant, 5-inch Pot, 24 inches high.....each, $0.75

..LATANIA BORBONICA..

2½-inch	Pot,	3 to 4	Leaves,				per 100,	$4.00	Per 1000, $35.00
2	"	"	4 to 5	"			"	8.00	" 70.00
4	"	"	4 to 5	"			"	20.00	
6	"	"	5 to 6	"	18 to 20	inches high and wide		each,	.75

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Wyncote, Philadelphia, Pa.

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AZALEAS FOR EASTER

We are carrying in stock an immense quantity of Azaleas for Easter forcing; the plants are in good condition and finely set with buds; the varieties we offer are only the best commercial sorts. As these plants can be more safely shipped when in bud, we wish to impress the importance of early orders. We will not be responsible for injuries arising from late shipments when the buds are developed.

	Size in Diam.	Per Doz.	Per 100
5-in. pots, nice bushy crowns	10 to 12	$5.00	$40.00
6-in. " " " "	12 to 15	9.00	70.00

...DECORATIVE PLANTS FOR EASTER...

We enumerate below only such varieties and sizes as are especially suited for decorative purposes. For a full line of this class of stock, see our Quarterly Wholesale Price List, issued March 15th.

Standard or Tree-Shaped Bays.

	Each
5 ft. high, crown 15-ins. in diam	$ 2.50
6 ft. " " 36-ins. "	10.00
6½ ft. " " 42-ins. "	12.00
6½ ft. " " 48-ins. "	15.00
7 ft. " " 60-ins. "	40.00

Pyramidal-Shaped Bays.

7 ft. high, 32-ins. diam. at base, tapering to point	10.00
8 ft. high, 36-ins. diam. at base, tapering to point	12.00
8 ft. high, 40-ins. diam. at base, tapering to point	15.00

Conical or Pillar Bays.

9 ft. high, 36-ins. diam. at base, 12-ins. at top,	25.00
8 ft. " 54-ins. " " 30-ins. "	40.00

Standard or Tree-Shaped Box.

7-in. pots, 26 to 28-ins. high, with 12-in. crowns,	1.00

Pyramidal-Shaped Box.

9-in. pots, 32 to 36-ins. high, 15-in. diam. at base, tapering to a point	2.50

Cibotium Schiedei.

Undoubtedly the finest of all Tree Ferns, and while it has a most delicate appearance, stands better than any other. Posesses a grace found in no other plant and used extensively by eastern decorators. Fine plants, 7-in. pots, $2.50 each, 8-in. pots, $3.50 each.

Areca Lutescens.

Inch pots.	Height.	Each.	Doz.
6 Very bushy	28 to 30 ins.	$1.00	$12.00
7 " "	32 to 36 "	1.50	18.00
8 " "	36 to 42 "	2.50	30.00
8 " "	42 to 48 "	3.00	36.00
9 Heavy single plants	48 to 60 "	6.00	

Cocos Weddeliana.

Inch pots.	Height.	Per doz.	Per 100.
3	8 to 10 ins.	$2.50	$20.00
3	10 to 12 "	3.00	25.00
4	15 "	5.00	40.00

We also offer a limited number of specimen plants in 8-in. pots, 3 to 3½ ft. high, with 8 to 9 leaves, $6.00 each.



STANDARD BAY.

LATANIA BORBONICA.

4-in. pots, 4 to 5 leaves, an excellent lot of exceptional value, $3 per doz.; $25 per 100; $225 per 1000.
5-in. pots, 5 to 6 leaves, 18 to 24-in. high. We have an immense stock of this fine size for retailing, $5 per doz.; $40 per 100.
6-in. pots, 5 to 6 leaves, 18 to 20-ins. high, $9 per doz.; $75 per 100.
7-in. pots, 6 leaves, 24-ins. high, $12 per doz.; $100 per 100.

Kentia Belmoreana.

Inch pots.	Leaves.	Height.	Each.	Dozen
4	5 to 6	15 to 18 ins.	$ 0.50	$ 6.00
6	6	24 to 30 "	1.75	21.00
6	6	30 "	2.00	24.00
7	6 to 7	32 to 36 "	2.25	27.00
8	6 to 7	36 to 42 "	4.00	
8	7	42 to 48 "	5.00	
9	6 to 7	48 to 54 "	7.50	
10	6 to 7	54 "	10.00	
12	7 to 8	7 feet	$35.00 to $50.00	
16-in. tubs	8 to 9	9 feet	75.00 to 100.00	

Kentia Belmoreana—Made-up Plants.

7-in. pots, 4 plants in a pot, center plant about 30 ins. high, others about 18 ins. high, $3.50 each.
9-in. pots, 4 plants in a pot, center plant about 36 ins. high, others about 20 ins. high, $5.00 each.
9-in. pots, 4 plants in a pot, center plant about 4 feet high, others about 2 feet high, $10.00 each.

Kentia Forsteriana.

Inch Pots.	Leaves.	Height.	Each.	Dozen
6	6	30 to 36 ins.	$1.50	$18.00
7	6	36 "	2.00	24.00
8	6	42 "	3.50	
9	6	48 "	5.00	
9	6	52 "	7.50	
10	6	60 "	10.00	
13-in. tubs,	7	6 feet	25.00	
12 "	7	6 "	$35 to $50.00	
14 "	7	7 to 8 "	35 to 50.00	
16 "	7	10 "	75 to 100.00	

Kentia Forsteriana—Made-up Plants.

8-in. pots, 3 plants of equal height, from 36 to 42 inches high in a pot, $3.50 each.
10-in. pots, 4 plants in pot, center plant 5 feet high, others 2 feet high, $10.00 each.
12-in. pots, 5 plants in pot, center plant 6 feet high, others 2½ feet high, $25.00 each.

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IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

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Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR.

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Nursery Seed & Florists' Catalogues

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UTICA, N. Y.

When Fred C. Baker sent his two "Indians" flying across the country to Chicago in response to an urgent message from a pushing agent he supposed they were to be placed on private view, perhaps for "gentlemen only," but instead they were exposed to the critical gaze of the carnation experts, and in consequence of not being pruned for exhibition failed to score. So Red Jacket, with its sweet and lovely consort Oneida, instead of conveying a favorable impression as they do in their habitat, were given the cold hand, which, however, will doubtless become warmer as their merits and qualities are better known. From my observation made at this time both are right up to date, and should prove profitable investments, and yet they may do no better elsewhere than many of their predecessors that have been launched upon the trade with a greater flourish of trumpets.

There never will be entire success until the soil accompanies the plants; there's everything in the soil. Bouton d'Or has been in crop all winter; it's a splendid thing. These three varieties are in heavy crop for Easter.

Roses are in capital shape. I noticed in one house of Bridesmaid, where a steam pipe ran overhead half the length of the house, the plants were much freer and were yielding more blooms. Plants were all put in at same date and of equal strength, which reasons that circulation of heat overhead is appreciated.

Mr. Baker is an enthusiast on ferns, and considers Nephrolepis cordata compacta the finest of the species for the retailer.

C. F. Seitzer is throwing out part of his elegant Campbells to make room for spring stock. He has a fine lot of carnation, Flora Hill, and a beautiful stock of Zonale geraniums.

W. M.

A ST. PATRICK'S DAY VISITOR.

The "agent" of Messrs. Ellis & Pollworth, Milwaukee, called on us March 17, and was very appropriately attired in a green suit. But his request to "hang me up" surprised us. "Our Agent" is the title of the catalogue of this enterprising firm, and the announcement on the green cover that "it speaks for itself" is borne out by the contents. The many fine half tone engravings giving accurate views of the stock in their greenhouses are admirable, and the forty-eight pages of descriptive matter are all well illustrated. Apparently nothing in the way of florists' supplies has been omitted from the book, and "Our Agent" ought to send in many good orders.

SUBSCRIBERS are reminded that they will enhance the earning power of their certificates by buying their trade supplies of the advertisers in The Florists' Review. Buy to best advantage always, but other things being equal give the preference to those who advertise in the paper in which you have an interest.

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VIOLETS AND CARNATIONS.

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Rose Plants.

		Per 100	Per 1000		Per 100	Per 1000
Brides	2½-inch	$3.50	$30.00	3-inch	$4.50	$40.00
Bridesmaids	"	3.50	30.00	"	4.50	40.00
Meteors	"	3.50	30.00	"	4.50	40.00
Perles	"	3.50	30.00	"	4.50	40.00

All Stock Guaranteed to be First-Class.
Ready April 1st.

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GEO. E. HUNT, Manager, P. O. Box 235. TERRE HAUTE, IND.

..PARIS GIANT DAISIES..

California Giant, white; Etoile De Lyon, yellow; Rooted cuttings, $2.00 per 100: 35c per doz.

Violets, rooted runners, California, Luxonne, $4.00 per 1000; 50c per 100. Princess De Galles, Hardy Double Russian and Swanley White $1.25 per 100; $10.00 per 1000; also rooted carnation cuttings in variety. Cash with order.

Salvia, Wm. Bedman or Bonfire, rooted cuttings, by mail, $1.00 per 100.

P. M. DE WITT, Torresdale, Phila., Pa.

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Rooted Cuttings. Well Rooted.

Crimson Bedder, Candidate, Mrs. J. C. Vaughan, Fire Ball, Lavender, Swayne's Beauty, Francis, Peri, Pink Beauty, Aurora Borealis, Negro, Miss Arthur, Willie Desmond, Mrs. Cleveland, 15c per dozen; 70c per 100; $6.00 per 1,000. All nice, clean stuff. Express paid.

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Good Plants. Healthy Stock. $5.00 per 1,000.

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FRANK HARDY...

The Best Chrysanthemum Novelty.
The Best Plants.
The Cheapest Price.

BUY YOUR STOCK RIGHT NOW....

And you can double it by planting time, See what those who have purchased think of it:

OAKLAND, MD.—The nicest lot of mums we have ever received. H. WEBER & SONS.

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GLENFIELD, PA.—The Frank Hardy stock is the best by far received this season. THEO. F. BECKERT.

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PROVIDENCE, R. I.—Frank Hardy received on time and in splendid condition. F. MACRAE.

Facts more eloquent than words. C. S. A. awards highest of the year. New York 95 points, Boston 94 points, Chicago 93 points, Philadelphia 89 points. First prize, white in strong competition at Boston and Philadelphia shows, and certificated wherever shown. The ideal commercial and exhibition bloom. Price, **50c** each, **$3.00** per dozen, **$20.00** per hundred, **$150** per thousand. Ready for immediate delivery.

A. HERRINGTON, Florham Farms, Madison, N. J.

Grand New Violet "La France."

STRONG VIGOROUS GROWER.
EXTRA FREE FLOWERING.
RICHEST COLOR.

Of the many new Violets introduced in the past few years this, the latest introduction of the foremost French specialist, is unquestionably the **BEST.** It has been thoroughly tested by Mr. Supiot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom, and in size and coloring it is superior to all existing sorts, and will soon supercede them. Only a limited stock will be offered this season, and orders will be filled in strict rotation

Price, $1.25 per dozen; $10.00 per 100.



HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

APRIL OFFER.

	Per 100
Alternantheras A. Nana $1.75 P. Major....	$2.00
Begonias 5 Var—Vernon.....	2.50
Coleus Asst. and Centaurea Gymnocarpa.	2.00
Geraniums, 16 Var., 2½ pots, $2.50; 3 in.	3.75
Geraniums, 4 in. pt. and Marguerites (P. Daisy).....	5.00
Pansy plants from cold frames and Smilax	1.00

Cash please.

JOS. H. CUNNINGHAM, Delaware, O.

50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums,** from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

ROSES!

Own Roots, Dormant, Field Grown

In Cold Storage in Chicago.

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,
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Lettuce AND OTHER Vegetable Plants

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

Pepper and Egg Plants 25c. per 100 $2 per 1000

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

TORONTO, ONT.

Your Toronto correspondent, the "only" E., in his departure for the West, takes with him the best wishes of his confreres and a desire for a speedy return. Doubtless he will have much to relate to the boys at the little weekly gathering, which takes place at St. Lawrence market, where can be found Grainger Bros., of dahlia fame; Manton Bros., of practical and reportorial repute, and Frank Duffort, who, in addition to his skill in producing what some others fail in, is, I believe, mayor of his town. Simmers Bros. and Steele, Briggs Seed Co., both famed seed houses, situated near by, are in the whirlpool of spring rush, owing to the advanced season.

J. H. Dunlop makes a fine display in both of his stores, particularly the one down town. He is quite metropolitan.

C. J. Tidy finds the conservatory attached to his handsome store a capital house in which to carry stock, both utility and adornment being combined in this elegant structure.

W. Tidy is preparing for the spring rush in addition to carrying the well grown Easter stock at his Wellesley store for the increasing demand in that select neighborhood. W. M.

LOUISVILLE, KY.

Our spring flower show will have to be postponed if not entirely dropped on account of the manager of the hall having given our dates to other parties.

Quite a lot of building will be done this summer. Mr. Jacob Schulz will build one new house 152 feet long and rebuild two, one 20x152 and one 10x 152. He is going to make one house 30x152 out of these. Mr. J. E. Marret will rebuild three houses 20x130 feet. Mr. C. H. Kunzman is going to move his greenhouses to a larger lot and will build several new houses. J. Coenen & Co. will also rebuild three houses 20x80 and two new houses 20x80.

Business has been very slow for the last two weeks. We are being overrun by bulb sellers from Holland just now. Hyacinth bulbs are higher than last year, tulips are lower. Ky.

RALEIGH, N. C.—Henry Steinmetz has a well equipped place, and while the season has been very unfavorable for out-door stock, he will have a capital supply for Easter. Mr. S. raises large quantities of bedding stock.

HORNELLSVILLE, N. Y.—W. A. Wettlin reports a book full of orders for Easter, and has a capital stock with which to supply his customers. Carl Sackmann, formerly with H. A. Dreer, has charge here, and shows evidence of his cultural skill.

IF YOU are not already a subscriber be sure to read our unparalleled subscription offer in this issue.

The Specialist
The Ordinary Florist

Regardless of first cost, the former puts into practice every detail that may help, even to a slight extent, in developing a flower. The every-day florist needs varieties that will grow readily and produce profitably, under ordinary care and attention. In Carnations, such a variety is the

New Commercial White Genesee.

Sent out on a tested reputation. Circular free.

DAN'L B. LONG, SALES AGENT, BUFFALO.

Try a Few of the
NEW CARNATION
CERISE QUEEN
$2.00 per doz.
$10.00 per 100.
$75.00 p 1000.
Mayor Pingree, $5.00 per 100; $40.00 per 1000.
JOHN BREITMEYER & SONS, Cor. Miami and Gratiot Aves., Detroit, Mich.

Carnations for Business...

A few grow Carnations for pleasure, but most of us grow them for profit. We MUST grow good varieties, and we MUST have good stock of them if we get pay for our work. Send us your orders, and you will get A No. 1 stock, and you will have all the best varieties to select from. Send for prices. Much of our stock is in soil, and all is ready for immediate shipment.

GEO. HANCOCK & SON,
Grand Haven, Mich.

Rawson's Famous Chrysanthemums
WM. H. CHADWICK,
YELLOW FELLOW,
MADELINE PRATT.
Ready now by leading firms and the grower. GROVE P. RAWSON, Elmira, N. Y.

Last Chance for....
..CANNAS..

Dormant Eyes, good stock. Mme. Crozy, Alphonse Bouvier, Paul Marquant, $1.50 per 100; $10 per 1000. Improved Paul Marquant, Queen Charlotte, $2 per 100; $15 per 1000. Emile Leclerc, $1.25 per 100; $9 per 1000. Mixed Cannas, good stock, $8 per 1000. 50 at 100 rate, 500 at 1000 rate. Cash with all orders, Address

ROWEHL & GRANZ,
HICKSVILLE, L. I., N. Y.

MANUFACTURERS' RUBBER CO.
174 Fulton St., New York City.

Rubber Hose

For Florists, Seedsmen and Nurserymen.

Made in 50 feet or 25 feet lengths with couplings attached.

$5.00 for 50 ft., 3-4 inch size.
$4.00 for 50 ft., 1-2 inch size.

NEW CARNATIONS

THE COTTAGE GARDENS SET. Price, $3 per doz.; $10 per 100; $75 per 1000.

NEW YORK—A free blooming, bright cerise pink, that is very popular on the New York market. Stock now limited.

BON TON—A bright scarlet on stiff stems; very fragrant; vigorous, healthy habit. Needs no stakes.

WHITE CLOUD—A large free blooming white, on very long, very strong stems. One of the most profitable whites in existence.

MR. JAMES DEAN—A pure clean pink, delicate and chaste; large bloom on long wiry stem; constant bloomer. The most popular pink carnation on the New York market.

JOHN YOUNG—A fine fringed snow white, on long, stiff, wiry stem. Habit much like Scott. Vigorous grower and fine bloomer. Excellent keeper and shipper.

GOLD NUGGET—A free blooming, large deep yellow, lightly marked with scarlet; on long, stiff stem. Free, constant bloomer. The best yellow out. Stock limited.

MRS. FRANCES JOOST—A pure clear pink. Scott habit, long stiff stem, profuse bloomer, vigorous grower, very promising. A few fine plants from 2-inch pots at $10 per 100.

MRS. G. M. BRADT—Large massive variegated flower, good stem, healthy grower and constant bloomer. The most popular and profitable variegated carnation out. Stock limited. $6 per 100.

LILY DEAN—Large handsome snow white flower, beautifully penciled. Nothing finer when grown cool; fine plants, $5 per 100 from soil.

STORM KING—Magnificent snow white bloom on a grand stem. Nothing can be finer when grown on rich, loamy soil and properly irrigated. From 2-inch pots $2 per 100.

MAYOR PINGREE—Splendid large yellow bloom on a grand stem 30 inches long. An immense flower. A prize winner at all the shows. Splendid keeper. $5 per 100; $40 per 1000.

C. A. DANA—A pure clear pink, medium to large bloom, on strong, wiry stem. Profuse bloomer, strong grower, and a fine keeper. $4 per 100; $35 per 1000.

VICTOR—A deep pink sport from Daybreak; rather stronger grower than its parent. $4 per 100.

LIZZIE McGOWAN—WM. SCOTT—A fine lot of these two well-known varieties at $1.50 per 100; $12 per 1000.

THE COTTAGE GARDENS, C. W. WARD, Manager, Queens, N. Y.

CARNATIONS

	Per 100,	Per 1000,
Freedom, fine commercial white, fine stock from flats	$5.00	$45.00
Fine stock rooted cuttings	3.00	28.00
Jahn's Scarlet, a good paying red from flats	3.00	25.00
Jahn's Scarlet, rooted cuttings	2.00	18.00
C. A. Dana	3.00	25.00
McGowan, from flats	1.50	12.00
" rooted cuttings	....	10.00
Fisher, fall cuttings in flats	2.00	15.00
Ford. Mangold, rooted cuttings	2.00	. ...
Salvia Splendens, 2-inch pots, seedlings	2.00	15.00
Heliotrope, rooted cuttings	1.00	.....
Geraniums, in 2¼-inch pots, S. A. Nutt, Rev. Atkinson and Double Gen. Grant	2.50	.....

These Are Cash Prices.

W. G. KRABER,

125 Florence St., New Bedford, Mass.

IT'S A MISTAKE

TO THINK

"ANY OLD THING"

will answer for a Refrigerator to keep flowers in. Those up to date are made by the

Chocolate Cooler Co., Grand Rapids, Mich.

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HIGH GRADE SEEDS.

Fertilizers and Agricultural Implements.

Carry a full line of implement repairs. Get our prices before buying.

THOS. J. GREY & CO.,
32 S. Market St., Boston.

KLONDIKE Gold Fields at Your Door.

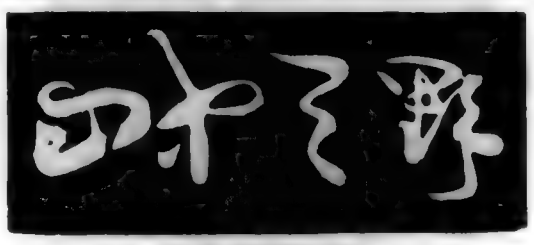
COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffeltii and Golden Queen rooted cuttings, $8 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $4.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

Ageratum, dwarf blue, rooted cuttings, $5 per 1000. Fuchias—standard sorts nothing but the best varieties, rooted cuttings, $12 per 1000; $1.50 per 100. Double Petunias, extra fine strain from flats, $1.50 per 100; $12 per 1000. Anthemis Coronaria, Golden Marguerite, $12 per 1000; $1.50 per 100. Salvia Splendens, $1 per 100. Vincas Variegated, $1.50 per 100; $12 per 1000; 2½-in. pots of the same, $2.50 per 100; $20 per 1000; 3-in. pots, $4 per 100. Heliotrope, six varieties, $1 per 100; $9 per 1000. Alternanthera, Paronychioides Major and Aurea Nana, 60c. per 100. Helianthus Multiflora, Double Golden, 2½-in. pots, $3 per 100.

GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.



IMPORTERS.

JAPANESE PLANTS,

Bulbs, Etc.,

At lowest prices. Small orders filled from experimental garden, Columbia Road, Dorchester, Mass. Wholesale catalogue, 1898, free to the trade.

JAPANESE NURSERY,

Office: 272 Boylston St., - **Boston, Mass.**

We Open it for Two

CHICAGO, March 4, 1898.

MR. EDWARD SWAYNE, WAWASET, PA.

DEAR SIR:—Why not give us a chance to come in on this Jack pot? It certainly would not prove a Frost if you did. Respectfully,

FLORISTS' PUB. CO.

JACK FROST

is perhaps the largest white carnation in cultivation, having won this distinction in open competition at Philadelphia, April, '97, Flora Hill being a competitor . . . . . .

Full description sent on application. Stock now ready, $10.00 per 100; $80.00 per 1000 . . . . . .

Can also furnish

EMPRESS (Wm. Swayne),

FIREFLY (Hancock),

and all of W. R. Shelmire's new ones.

EDWARD SWAYNE, Wawaset, Pa.

WAWASET, PA., March 9, 1898.

FLORISTS' PUB. CO., CHICAGO.

GENTLEMEN:—You can't come in without the chips. If you will publish your letter adjacent to my adv. we will try two insertions. Yours truly,

EDW. SWAYNE.

GERANIUMS.

Extra strong and robust plants 3½ inch pots. pots. 3.75

Double Grant, Nutt and finest varieties to be had. $3.50 per 100, extras added. This offer until April 1 only. Must go into 4-inch pots. Adams and U. S. Express. Cash or one-half cash and balance C. O. D.

JOHN F. RUPP, Shiremanstown, Pa.

SPRINGFIELD, MASS.

C. R. Miller made a fine exhibit of geraniums in bloom from Linwood Morgan's conservatories in Longmeadow, last Tuesday, and they were a very fine lot, most of this and last year's importations. They were sold after the exhibit at good prices. This house carries some fine roses, both hybrid and teas, carnations and bulb stuff. Bulb stuff sells well this season and is exceptionally good. Business has been good here all the week. This house is selling violets in 3-inch pots, all in bloom, at 25 cents each, and they sell at sight.

Aitken & Son are busy, as usual. They handle daily 2,000 violets, which are very fine.

The Sweet Pea exhibit will be held in this city July 20 and 21. Prizes will be announced later. H. G.

KANSAS CITY, MO.

Trade has been fair, but nothing large going on. Getting ready for Easter. Harrisii is going to be scarce, the disease playing havoc with lots of growers here.

Now for drummers—heavens! two and three a day, all well groomed and giving unmistakable evidence of prosperous times, but the curse of our business is too many drummers giving us too much credit. Easy to order and stock up, but to pay prompt is another story, but war with Spain will probably adjust things, if not the Klondike. S.

SAN FRANCISCO, CAL.—The early fruit section of California, from where most of the early cherries, apricots and peaches are sent east in April and May, was visited by a disastrous frost March 17. The loss will reach into the millions.

NEW CARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $10 per 100.

Send for Price List of Standard Sorts

WM. SWAYNE,

Box 226. Kennett Square, Pa.

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Carnations

New Carnations

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow. 35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White. 50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White. 35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List. Ready January, 1898.

F. Dorner & Sons Co.

LAFAYETTE, IND.

KATHLEEN PANTLIND

DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.

PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida

(Cape Jasmin.)

3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.

25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.

Oranges, best sorts grafted, 4-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.

Crotons, 3-in. pots, $10 per 100.

Send for Trade List. Address

P. J. BERCKMANS

AUGUSTA, GA.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

INSURE AGAINST FIRE IN THE

Florists' Mutual Fire..... Insurance Association

Address W. J. VESEY, Sec'y, Fort Wayne, Ind.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of WIRE & DESIGNS and Dealers in FLORISTS' & SUPPLIES

GERANIUMS,

	Per 100
Bruant, fine 3-inch	$2.75
Mixed Scarlets and Pinks, 3-inch	2.75
Rose, large leaved	2.50
Begonias, best varieties, 4-inch	4.00
Coleus, " " cuttings	.95
Cyperus Alternifolius, 2½-inch	1.50

Stock sure to please. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Live Sphagnum Moss

For Orchids, etc., $1.25 per bbl.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,

SPARTA, - - WISCONSIN



Evelina •

Was without a doubt the finest White Carnation at the Carnation Exhibit at Chicago, scoring 94 points, as follows: Color, 15; size, 15; calyx, 14; stem, 15; substance, 10; form, 10; plant, 10; fragrance, 5; scoring full points for color, size, stem, substance, form and plant.

...WARRANTED...

To be an extra free and early bloomer; requires no special treatment, and can be well done by any grower of carnations.

...AT BOSTON...

This Carnation was exhibited February 26th, and scored after the journey from Cincinnati, 95 points, proving its good quality as a shipper.

...AT CHICAGO...

A vase of blooms in first-class condition was staged that were cut January 30th. You make **"NO MISTAKE"** in giving this sterling variety a trial.

If you have not as yet received my Descriptive and Illustrated Price List of Evelina and other novelties, send me your address and receive it.

Orders booked and filled strictly in rotation for well rooted cuttings, at——

$10.00 per 100; $22.50 per 250; $80.00 per 1000.
50 at 100 rate; 500 at 1000 rate.

CASH OR SATISFACTORY REFERENCE, PLEASE.

R. WITTERSTAETTER, SEDAMSVILLE, OHIO

CARNATIONS

NEW 1898.

EMPRESS Bright rich crimson, very large flower on long stiff stems.
$2 per doz.; $10 per 100; $80 per 1000.

JACK FROST Large white flowers, stems very stiff and strong.
$2 per doz.; $10 per 100; $80 per 1000.

CARDINALIS Fine scarlet, long stems, large flowers, very prolific.

PROGRESS Variegated like Minnie Cook, very stiff long stems, flowers good size and never burst, continuous bloomer.

EMILINE Magenta-pink, flowers the largest, stems very long,

The last three by the dozen, only $2.00 per dozen.

SPECIAL OFFER!

One dozen of each of these five fine varieties by mail for $6.00; any four for $5.00; any three for $4.00; any two for $3; Lady Campbell Violets, rooted runners, 60c per 100; $5 per 1000.

Cash with order. Circular on application.

W. R. SHELMIRE, Lock Box 10, **Avondale, Pa.**

Aster Seed.

Branching and Semple's. In White, Pink, Rose and Lavender. Separate colors. $1.25 per ounce.

J. G. KEELER, Rochester, N. Y.

E. G. Hill & Co., Richmond, Ind.

FLORA HILL, $5 per 100, $40 per 1,000.

EVELINA, - - - $10 per 100
WHITE CLOUD, - $10 per 100

TWO GRAND WHITES OF 1898. TRY THEM.

PSYCHE—flaked white, $10 per 100.
PAINTED LADY—red, Two Fine Commercial Sorts.

Our trade list is issued; if you have not received it, send for a copy. New **Cannas,** new **Geraniums,** new **Roses;** all the new **Chrysanthemums** of the year.

E. G. HILL & CO.

NEW CARNATION ARGYLE

Price per doz., $2.00; per 100, $10.00; per 1000, $75.00.
Cash with order or satisfactory reference.

STOLLERY BROS., Argyle Park, Chicago, Ill.

Scored 91 points

at the recent convention C. S. A. and 10 certificates at the fall shows.

New Carnation--Conch Shell.

The Poor Man's Bread and Butter.

Grace Wilder on Lizzie McGowan, a clean, upright grower. Color, light delicate pink, 2½ to 3 inches across. Exceedingly free flowering, with exquisite perfume. No cropper, more flowers to the plant than any of the new or old ones to date. 50,000 rooted cuttings now ready for delivery at $8 per hundred, $75.00 per thousand. Cash with order.

M. GROUT, 239 Pine St., Springfield, Mass.

ROOTED CUTTINGS OF CARNATIONS:

New—Mayor Pingree, Victor and Flora Hill per 100, $5.00; per 1000, $40.00. Jubilee and Emma Wocher, per 100, $3.00; per 1000, $25.00. Meteor and Tidal Wave, per 100, $2.00; per 1000, $15.00. Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50; per 1000, $12.00. All well rooted. Satisfaction guaranteed or money refunded.

Geo. A. Rackham, 880 Van Dyke Av., Detroit, Mich.
Wholesale grower of Carnations and Small Ferns.

ST. LOUIS.

Supply and Demand.

Stock is decidedly more plenty, and although as yet no actual glut, except in violets and bulb stock. The down town corners are lined with fakirs. Some of them are quite heavy buyers, and as a rule are given a lot of stuff not otherwise salable. There is, of course, more or less cutting of prices under these conditions among the down town stores.

The regular quotations on first-class stock in roses, such as Brides, Bridesmaids, Meteors and Carnots, are from $4 to $6, and the smaller varieties, Perles and Woottons, are $2 and $3; job lots at thousand rates are going at much less. Beauties, really first-class stock, are very scarce, and bring $4 per dozen; good short-stemmed Beauties are offered at from 60 cents to $2 per dozen.

The supply of carnations is heavy just at present. All varieties go at from $1.50 to $2, some extra fine fancy bringing $3. The demand for this flower has been steady, and at present very heavy, but there is no great accumulation of surplus stock.

Bulbous stock is still very plentiful, with price away down. Harrisii and callas are selling at $6 and $8; Romans, $1 and $2; tulips, $2 and $3; daffodils, $2; valley, $2; Dutch hyacinths, $2 and $3; freesia, $1; sweet peas, very fine, $1.50. Violets, California, 25 and 30 cents; common, single, 8 cents; southern stock is unsalable in this market just now. Smilax plentiful at 15 cents; asparagus, 35 and 50 cents per string.

Personals.

Prof. Wm. Trelease, of the Missouri Botanical Garden, will on May 1 sail for Europe, to visit the different botanical gardens of the old world. The professor will be gone about three months.

Mr. Wm. O. Fuller, of Henderson, Ky., was in the city a few days last week.

Mr. George M. Kellogg, of Pleasant Hill, Mo., was in the city for a day, on his return trip from Washington, D. C., where he attended the meeting of the S. A. F. A. O. H. Mr. K. reports that he had a great time, and will make strenuous efforts to make the next meeting at Omaha a great success.

Fred Foster is no longer connected with the Etoile Floral Company, at 921 Olive street, of which he was its manager, and Miss Todd, formerly of the Chandler Floral Company, will take his place.

Frank Bucksadt, for a long time doing business at 2602 Olive street, has retired from business.

Always mention the Florists' Review when writing advertisers.

HERR'S

Experiences with Carnations

READY NOW

Send for them, they are sent free.

HERR'S SMILAX

$5.00 per 1000; 75 cents per 100.

Samples, Ten Cents.

ALBERT M. HERR, LANCASTER, PA.

Herbaceous Perennials For Florists.

WE GROW THE LARGEST AND MOST VARIED COLLECTION IN AMERICA.

.....SEND FOR CATALOGUES AND SPECIAL PRICES.....

THE SHADY HILL NURSERY CO.,

102 STATE STREET, BOSTON, MASS.

TO CABBAGE GROWERS. THE BEST IN THE WORLD.

VAN NAMEN'S EXCELSIOR WHITE CABBAGE.

Late, large round, solid heads, weighing from 12 up to 25 lbs. Excellent Keeper. Does not rot

Price, postage paid, per ounce 25c; ¼ lb. 75c; pound $2.00. Cash with order.

THE BOSTON MARKET GARDENERS SUPPLIED THEREWITH.

C. H. JOOSTEN, Importer, - 193 Greenwich St., New York.

SPECIAL OFFER.

300 Sugar Maple, 7 to 8 ft., 10c.
1000 Sugar Maple, 5 to 6 ft., 5c.
1000 Sugar Maple, 4 to 5 ft., 4c.
1000 Sugar Maple, 3 to 4 ft., 3c.
500 Silver Maple, 10 to 12 ft., 10c.
500 Silver Maple, 8 to 10 ft., 8c.
300 Norway Maple, 8 to 9 ft., 20c.
300 Norway Maple, 7 to 8 ft., 15c.
1000 Assorted Shrubbery, 3 to 5 ft., 7c.
300 Purple and White Lilac, 3 to 4 ft., 5c.
3000 Peach, No. 1, 4 to 6 ft., 1 year, 3½c.
2000 Peach, No. 2, 3 to 4 ft., 1 year, 2c.
4000 Peach, L. Crawford & Globe, 5 to 7 ft., 2 years, 3½c.
1000 Apple, No. 1, 5 to 7 ft., 3 years, 4½c.
500 Caladium Esculentum, 5 to 7 in. cir., 2c.
75000 Brandywine Strawberry plants and 15 other kinds, very fine, $1.75 per 1000.

All in good order and ready for immediate shipment.

W. P. BRINTON, CHRISTIANA, PA.

J. M. LOGAN,

Landscape Architect and Gardener

Plans furnished and estimates given.

White Plains, N. Y., and
114 Chambers St., New York City.

For Easter

Fine large Violet clumps, in full bloom, for jardinieres, baskets, etc., $20 per hundred.

CASH WITH ORDER.

A few strong Agapanthus left, at the same price, until sold.

R. E. SHUPHELT,

Chatham, New York.

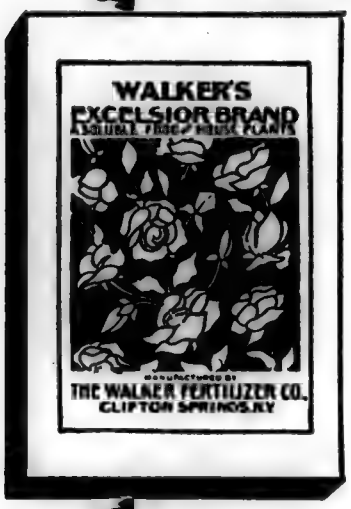
DOUBLE DAISIES

in flower and bud, $1.25 per 100, $10.00 per 1000.
Cash With order.

H. W. LEAMAN,

Carlisle, - - - Pennsylvania

Seed Stores and... Flower Stores



CAN PROFITABLY HANDLE OUR PACKAGES OF PLANT FOOD. ATTRACTIVE, TAKE LITTLE SHELF ROOM. VALUABLE BOOKLET FREE.
GOOD PROFITS

The Walker Fertilizer Co.
Clifton Springs, New York.

TRADE MARK

Cablegram
FROM
Yokohama.

"Kaishimeta Teppoyuri."

We received the above cablegram from our Yokohama house, stating that again we control the largest part of Lilium Longiflorum for next season. Prices will be quoted upon arrival of next Japan mail.

SUZUKI & IIDA,
No. 11 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

THE ESLER HOSE IS THE BEST
It is used by the leading Florists and is giving satisfaction. Try it and be convinced
For price address
J. G. & A. ESLER, Saddle River, N. J.

Mrs. C. H. Peirce. Merry Christmas.

Two sterling Chrysanthemums, which every florist must have among his collection for commercial and show purposes. They are worthy of the highest praise, and we do not hesitate to recommend them to every florist. Order now. We will have a large stock ready April 1st, and can fill all orders with satisfactory plants.

Mrs. C. H. Peirce—A large yellow flower of good round form and best substance. Beautiful foliage, sturdy, short jointed growth, with foliage up to the flower. An excellent commercial variety. Take first bud. Height, 3½ ft. At its best Nov. 6th to 25th.

Merry Christmas—The latest Chrysanthemum in cultivation, making it the only Chrysanthemum that can be grown successfully for Christmas flowers; needs no extra care; height, 4½ ft. Good stiff stem, large flowers and great substance; of purest white, and full to center. Take terminal bud. At its best Dec. 20 to Jan. 1st.

35c each. $3.50 per doz. $25 per 100.

F. DORNER & SONS CO., La Fayette, Ind.

Wooden Labels for Florists and Nurserymen.

Being located at the head center of this country for WHITE PINE LUMBER, we are able to buy our stock right, and furnish our customers with goods of the best quality, and at prices which will put them at your station lower than the lowest. Our factory is thoroughly equiped and turning out promptly the most uniform, smooth and best painted goods made in this country, put up in neat packages, guaranteed full count and nicely crated. Send for samples and prices.

WOODEN GOODS CO., 83 Western Av., Minneapolis, Minn.

HAMMOND'S TOBACCO EXTRACT.

THE OLD ORIGINAL.

GEO. S. OSBORN.
OLD TOWN FARM GREENHOUSES,
COR. SARGEANT AND ATTWOOD STS.,
HARTFORD, CONN., Jan. 25. 1893.

Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.—
Gents: I send check for amount of enclosed bill, and think I shall need more of the **Tobacco Extract** for further trial. SO FAR AS CAN BE JUDGED IT IS THE BEST EXTRACT I EVER HAD. Let it come by freight at once, as we have two houses longing for a dose. Yours truly, GEO. S. OSBORN.

SOLD BY WHOLESALE SEEDSMEN.

What are the Advantages of using Jadoo Fibre and... Jadoo Liquid ?



Here are some that Leading Growers and Florists have already found out:

YOU CAN USE POTS TWO SIZES SMALLER
YOU CAN SHIP PLANTS WITHOUT POTS
EVERY SEED WILL GERMINATE
EVERY CUTTING WILL ROOT
ROOT ACTION WILL BE STRONGER

FLOWERING WILL BE MORE PROFUSE
FOLIAGE WILL BE BETTER IN COLOR
TRANSPLANTING REQUIRED ONLY HALF AS OFTEN
NO CHECK AFTER TRANSPLANTING



Can You Afford to Grow Plants Without Jadoo Fibre ...or Jadoo Liquid ?

Are These Advantages Appreciated by the Trade ?

On January 1st, 1898, twelve Seedsmen and Dealers handled Jadoo Fibre and Jadoo Liquid. Today they are handled by the following 55 houses:

Jos. Breck & Sons, Boston, Mass.
R. & J. Farquhar & Co., "
W. W. Rawson & Co., "
Schlegel & Fottler, "
The B. L. Bragg Co., Springfield, Mass.
Kendall & Whitney (Inc.), Portland, Me.
The Geo. A. Weaver Co., Newport, R. I.
Clucas & Boddington Co., New York City.
Cleary & Co., " "
Wm. Elliott & Sons, " "
Peter Henderson & Co., " "
J. M. Thorburn & Co., " "
Weeber & Don, " "
J. C. Vaughan, " "
Phebe J. Marshall, Hibernia, N. Y.
James Vick's Sons, Rochester, N. Y.
Frank Knapper, Yonkers, N. Y.
W. J. Palmer & Son, Buffalo, N. Y.
E. T. Buckingham, Brooklyn, N. Y.
J. W. Blakely, Elizabeth, N. J.
Robt. Hance, Red Bank, N. J.
W. Atlee Burpee & Co., Philadelphia, Pa.
A. Blanc & Co., "
Henry A. Dreer (Inc.), "
Wm. Henry Maule, "
Henry F. Michell, "
Moore & Simon, "
Johnson & Stokes, "

H. Waterer, Philadelphia, Pa.
W. C. Beckert, Allegheny, Pa.
W. D. Sprecher, Son & Co., Lancaster, Pa.
B. H. Hershey, Manheim, Pa.
J. G. Weaver, Strasburg, Pa.
H. H. Martin, Lititz, Pa.
Edward S. Schmid, Washington, D. C.
Frith & Co., Nashville, Tenn.
Nabors, Morrow & Sinnige, Birmingham, Ala.
McMillan & Harrison, Mobile, Ala.
C. W. Eichling, New Orleans, La.
Sunset Seed & Plant Co., San Francisco, Cal.
W. W. Barnard & Co., Chicago, Ill.
J. C. Vaughan, Chicago, Ill.
Thompson Bros., Muscatine, Iowa.
Huntington & Page, Indianapolis, Ind.
Vail Seed Co., Indianapolis, Ind.
L. L. May & Co., St. Paul, Minn.
Frank A. Showerman, Paw Paw, Mich.
C. Young & Sons Co., St. Louis, Mo.
J. M. McCullough's Sons, Cincinnati, Ohio.
A. W. Livingston's Sons, Columbus, Ohio.
A. I. Root Co., Medina, Ohio.
Portland Seed Co., Portland, Oregon.
A. L. Mitchell, Denver, Colo.
Ellis & Pollworth, Milwaukee, Wis.
J. A. Simmers, Toronto, Canada.

WRITE FOR OUR CATALOGUE.

The American Jadoo Co.

817 Fairmount Ave., Philadelphia, Pa.

BRAMPTON, ONT.

Harry Dale is, I believe, the first grower to adopt the "mechanical stoker," and for the benefit of those who have not seen this latest piece of mechanism a brief description may be in order.

The two batteries of sixteen boilers are arranged opposite each other in ranges of eight. The coal is fed into a kind of hopper from which it is gradually placed on the fire by a revolving, screw-shaped roller; at the same time the ashes are sifted by means of a sliding grate, so that the fire is never raked nor doors opened. A lever is used to dump clinkers, and the only thing incomplete is the drawing of ashes from under the grate. This has already proven a saver both of fuel, getting as good returns from soft coal slacks as did formerly from hard coal, and labor. (Fuller details on application.)

The motive power is an engine of five horse power, which, however, is sufficiently powerful to drive an additional battery of eight boilers, which are being built to furnish heat for two houses each 600x19, open at gutters, and one 200x18, now in course of erection. Mr. Dale's intention is to surpass himself, if possible, in raising the magnificent stock, particularly of roses, for which he has helped make the Dominion famous. His fame has extended to "old Hingland," and deservedly so.

Carnations are also in it. Edna Craig has been the most profitable variety this season, bringing $4 all winter. Nivea is also very satisfactory. While the flower is not so large as Flora Hill, it is more floriferous. The new Cerise Queen (Breitmeyer) shows up finely. Mr. Dale thinks very favorably of this variety. I noted the propagating houses were filled with healthy stock. Corrugated iron is used in place of slate for benches of propagating houses and answers admirably.

I should not be surprised to find on my next visit an automatic grower, and may be a ditto drummer to follow.

W. M.

A SUBSCRIPTION to The Florists' Review is a good investment from every point of view. No other investment will make you such good returns.

WE HAVE PLEASURE IN OFFERING TO THE TRADE THIS SEASON FOR THE FIRST TIME ONE OF

The Finest Novelties in Chrysanthemums

EVER SENT OUT

...MRS. O. P. BASSETT...

It will only be necessary for us to state that **This is a Yellow Mrs. Henry Robinson**

to ensure for it a large sale. It is a sport from Mrs. Henry Robinson, with which variety it is identical in every respect except color, being a delicate primrose yellow, deepening toward the center of the flower. It has been thoroughly tested, and is a novelty of sterling merit. One of the most eminent eastern growers who has tested it states that it is one of the best things in Chrysanthemums sent out in some time. Every Chrysanthemum grower will want it. **A Yellow Mrs. Henry Robinson** will be a money-maker, and a fine exhibition variety as well. Plants now ready for delivery. We have also fine stocks of the other finer introductions of the year—**FRANK HARDY, MRS. H. WEEKS, AUSTRALIAN GOLD.**

Price, $3.00 per dozen; $20.00 per 100.

Wm. H. Chadwick, $6 per doz. The Yellow Fellow, $3 per doz. Pennsylvania, Autumn Glory, Solar Queen, Black Hawk, Quito, Thornden, $5 per doz.; $35 per 100. Boundless Snow, Mrs. C. H. Peirce, Miss Gladys Vanderbilt, $3.50 per doz.; $25 per 100.

We offer also all the best of the **Novelties for 1897,** and the **Best Standard Sorts.** Send for our wholesale list and large descriptive catalogue, giving full list of varieties and prices. We have a very large and fine lot of Novelties in Cannas for 1898, also best and latest introductions in Carnations, Dahlias, Strong Field-grown Roses and other Hardy Plants, a large and fine collection of Palms and other Decorative Plants, etc., etc.

We will be pleased to send our wholesale list and descriptive catalogue to any one who may not have received them.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Kentia Palm Seeds.

Fresh seeds of Kentia Belmoreana and Forsteriana by the case of 5,000. Seeds received direct from Australia. Price, $17.50—net cash F. O. B. New York. Prices for large quantities on application.

AUSTRALIAN PALM SEED CO.,

Room 52. 90 Nassau Street, New York.

Standard Flower Pots FERN PANS and AZALEA POTS..

Old Reliable Make of ELVERSON, SHERWOOD & BARKER.
WRITE FOR PRICE LIST. ADDRESS

PITTSBURG CLAY MFG. CO., - New Brighton, Pa.

Use Economy and Make Your Own Pots

THE COW MANURE POT is the best in the world for young plants. For bedding and sending of plants it is the best thing ever invented. The cow manure forces the plant and makes it healthier. You do not need to disturb the roots in getting them out as you do in the clay pots. It is especially recommended for the sending of plants, as the plant does not have to be taken out of pot. For bedding all you have to do is to squeeze the bottom of pot and set out in bed. It never stays the plant, it holds the moisture better, especially if you have a dry summer. The pots stand watering in greenhouse and hotbed. Every gardener needs one of these machines. **Single machine, 2-in. pots, $4.50. Double machine, 2 and 3-in. pots, $5.** Machine weighs about 5 pounds.

HAROLD ELTZHOLTZ, CENTRAL VALLEY, ORANGE CO., N. Y.

HARRY BALSLEY SELLS

Those Red Pots

Standards—Full Size and Wide Bottoms, Bulb Pans and Azalea Pots for the

Detroit Flower Pot Manufactory
490 Howard St., Detroit, Mich.

Manufacturers and Dealers

BAGS COTTON SEAMLESS, BURLAPS, ETC.

SECOND-HAND BAGS BOUGHT AND SOLD.

CINCINNATI BAG CO.
Second and Walnut Sts., CINCINNATI, O.

Ionia Pottery Co.

Manufacture...

STANDARD FLOWER POTS, LAWN AND HANGING VASES

We make a Light, Porous, Strong, Durable Pot that gives satisfaction to all who use it. We invite a trial order.

For prices Address **M. E. PARENTEAU,**
115 Dearborn St., Chicago Office.
Or...
IONIA POTTERY CO., IONIA, Mich.

EASTER GREETING



...Paper Mache Pot Covers...

One of the **cheapest** and **best advertisements** for **you.** Put a **cover** on **each** pot that goes out of your store, stamp your name, etc., on the same and your advertisement remains as long as either plant or cover.



...SPECIAL PRICES...

Sizes	6	7	8-ins.
Price per doz., Brown	40c	50c	60c
" " " Gold, Silver, White,	75c	90c	$1.00

Silver, Gold, White and Brown, assorted sizes

Price per 100.....$6.00 Price per 1000 .....$50.00

50 at 100 rate; 500 at 1000 rate.

OUR STOCK OF SUPPLIES is most complete for your Easter wants and shall be pleased to receive your esteemed orders. Prices on application.

CYCAS LEAVES
BASKETS
WHEAT SHEAVES

DOVES
PINS
FOIL

POT COVERS
IRON PLANT STANDS
WIRE, ETC., ETC.

BALTIMORE.

Market Conditions.

Little new can be said of the retail business this week, except that it is still holding its own, and all reports are exceptionally encouraging for a continuance of same. Funeral work was largely in demand, owing to the death of several prominent citizens. We are having veritable summer weather, with a bountiful supply of good stuff. The wholesale houses are well stocked and prices have dropped considerably.

A continuance of this warm weather will produce a scarcity of good violets for Easter, as they are now blooming to excess. One grower alone could pick 50,000 strictly first-class blooms, from 100 sash, if he could find a market for them.

Gardeners' Club.

Monday evening, March 14, the Gardeners' Club elected the following officers to serve for the ensuing year: President, Edwin A. Seidewitz; vice-president, Chas. M. Wagner; recording secretary, Chas. F. Feast; financial secretary, W. Paul Binder; treasurer, Wm. B. Sands; librarian, Jno. L. Wagner.

A banquet followed at the Hotel Lafayette. Fifty-nine members subscribed, making one of the largest turnouts in the history of the club. After a most sumptuous repast our newly-elected president was prevailed upon to make a few remarks befitting the occasion. He said in part:

"It is often said, 'a man who loves flowers cannot be a bad man.' If this be true, we gardeners must be all good, for show me a man who has selected our vocation from a mere mercenary purpose, and who has a want of enthusiasm upon beholding a gem of Flora's Kingdom, and I'll show you a man who is dangerous and unworthy of confidence and respect. If we but followed the beautiful lessons taught by nature, there would be no strife among those who cultivate the flower, and our vocation would be the instrument to bind us closer together than the obligations of any fraternal organization."

The club gratefully acknowledged the receipt of a large bunch of Empress carnations, sent by Mr. Wm. Swayne, of Kennett Square, Pa.; also a fine vase of Alba Superba from Mr. Jno. Burton, of Chestnut Hill, Philadelphia.

Genial Mr. Burt Eddy, of Vaughan's seed store, has been in town several days, and reports the seed business "booming." C. F. F.

ONE DOLLAR will bring you The Florists' Review for a year, and at the same time entitle you to the earnings on one dollar's worth of stock in the Florists' Publishing Co. You will never be able to make a more profitable investment of a similar amount.

To Succeed in Gardening You Must Have First-Rate Seed.

Do you know what a first-rate seed is? It is bred up, just as a horse, or cow, or dog, or hen is. Vegetables and flowers are poor in their natural state; they are fair in their usual state; they are rich in the proper seedsman's proving-ground. And the richer they are the more unstable they are; they tend back, as water runs down hill. A first-rate vegetable or flower Seed goes back to a lower grade as soon as it ceases to feel the seedsman's care. This care is not cultivation; it is sorting out and breeding up.

The wise gardener trusts no seedsman's Seeds in the next generation. He gathers no Seeds himself; he buys of his seedsman every year, and so does his wife.

You see, the farmer's and gardener's first anxiety is, not plows and harrows, but Seeds. Any plow will plow; any harrow will harrow; but first-rate Seeds he must have, or fail in his crops.

Burpee's Seeds Grow.

Do you plant for PROFIT?

If so, you should write for **BURPEE'S BLUE LIST.** which gives **wholesale prices** for Market Gardeners, Florists and Farmers' Clubs. ☞In writing for this list be sure to ask also for our complete descriptive catalogue—THE FARM ANNUAL FOR 1898—if you have not already received a copy.

BURPEE'S SEEDS are the BEST THAT GROW

W. ATLEE BURPEE & CO.,
PHILADELPHIA.

Two Great Sports.

Carnation Victor.

Undoubtedly the best Pink Carnation in commerce and certainly the most prolific bloomer, perfectly healthy and of vigorous growth.
Rooted cuttings now ready, $4.00 per 100; $35.00 per 1000. Come and see this Carnation growing.

Chrysanthemum Pennsylvania.

The finest yellow for cut blooms or exhibition purposes ever produced. Plants ready March 15, $5.00 per doz.; $35.00 per 100; $250.00 per 1000.

HUGH GRAHAM,
104 South 13th Street, Philadelphia.

TREE PAEONIA

in only Choice Varieties; strong, 4-year-old plants, 50c. each....

Tree Roses, Snowballs, Hydrangeas, Clematis, Paeonia, Rhododendrons, Azaleas, Magnolias, H. P. and Moss Roses.

L. C. BOBBINK, Rutherford, N. J.

BRANCH OF THE HORTICULTURAL CO., BOSKOOP, HOLLAND.

5,000 Extra fine three-year-old... Clematis In the best Leading Varieties:::

Holland grown. No reasonable offer refused. Write for prices or make a cash offer.

Lily of the Valley and all Spring Bulbs on hand now.

Write for Prices to..... **F. W. O. SCHMITZ,** Jersey City, N. J.

PANSIES. THE JENNINGS FINEST STRAIN.

THEY ARE GRAND.

Fine stocky plants, in bud and bloom, $10 and $12.50 per 1000; $1.50 per 100, by express. Small plants by mail, 75c per 100. Seed, $1 pkg. Cash with order. Lock Box 254.

E. B. JENNINGS,
Grower of the Finest Pansies. Southport, Conn.

Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.

ESTABLISHED 1859

Thos. W. Weathered's Son,

Horticultural Architect and Builder and Manufacturer of Greenhouse Heating and Ventilating Apparatus.

Look Out for Next Issue and See My Ad.

The latest and most perfect Sectional Hot Water and Steam Boiler in the market. Improvements will astonish you. It has not only got the greatest amount of heating surface but is sectional in each and every part.

THOS. W. WEATHERED'S SON,

141 Centre Street, New York.

Sulpho-Tobacco Soap

Sulpho-Tobacco Soap...

UNIVERSAL INSECTICIDE ....FOR

Flowers, Trees and Animals.

Safe, effective and economical.
Recommended and in use by the foremost florists and nurserymen in the land.
Write for particulars.

ROSE MANUFACTURING CO.
Niagara Falls, N. Y.

Naperville Drain Tile and Brick Works.

MARTIN & von OVEN, Proprietors.

NAPERVILLE, ILL.

Reference: Bassett & Washburn, of Hinsdale, Ill., whose illustrated tile bottom benches appear in this issue—page 688.

GLASS ....FOR **Greenhouses Conservatories Hotbeds, Etc..**

Also, Hotbed Sashes and Mats, Paints, Oils, etc.

THE REED GLASS & PAINT CO.,
456 W. Broadway, NEW YORK.
Mention THE FLORISTS' REVIEW.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

EVERGREENS

For Nurserymen and Dealers

Fine colored trees of the beautiful **Rocky Mountain Spruces**, millions of the leading standard sorts, all sizes. 300,000 transplanted **Hemlocks**; millions of **Arborvitæs**, transplanted and seedlings. Quality superior. Prices the lowest. Catalogue free.

D. HILL, EVERGREEN SPECIALIST, Dundee, Ill.

Standard Ventilating Machine.

None equal to it in strength and durability.
Nothing flimsy or complicated about it.

Send for catalogue.

E. HIPPARD, Youngstown, Ohio.

LARGEST STOCK OF

Ornamental Trees, Shrubs, Vines and Roses

in the United States. Write to us for special prices.

W. & T. SMITH CO., - - GENEVA, N. Y.

CATALOGUES RECEIVED.

Benj. Hammond, Fishkill, N. Y., slug shot; Daniel B. Long, Buffalo, N. Y., rooted cuttings; Jos. Bancroft & Son, Cedar Falls, Ia., seeds, plants, bulbs, hardy shrubs, etc.; Parsons & Sons Co. (Kissena Nurseries), Flushing, N. Y., hardy ornamental trees, flowering shrubs and vines; same, select list of hardy trees and shrubs; Northwestern Seed Co., Faribault, Minn., seeds, bulbs, tools, etc.; E. H. Krelage & Son, Harlem, Holland, novelties for 1898; I. N. Kramer & Son, Cedar Rapids, Ia., seeds, plants, small fruits, etc.; Ellis & Pollworth, Milwaukee, Wis., cut flower price list; E. H. Krelage & Sons, Haarlem, Holland, novelties and herbaceous perennials; F. R. Pierson Co., Tarrytown, N. Y., seeds, plants, bulbs, sundries; Williams & Sons Co., Batavia, Ill., plants, nursery stock and florists' supplies; Kennicott Bros. Co., Chicago, wholesale price list of cut flowers; Wm. H. Spooner, Jamaica Plain, Mass., garden roses; F. Lambert, Trier, Germany, roses; Sunnyside Floral Nursery, Fayettville, N. C., trees, shrubs, greenhouse plants, roses, bulbs, etc.; H. H. Berger & Co., New York, tree, shrub, palm, flower seed and bulbs; Wm. H. Spooner, Jamaica Plain, Mass., garden roses; Pinehurst Nurseries, Pinehurst, N. C., nursery stock; S. W. Pike, St. Charles, Ill., rooted cuttings.

CANADA TO BAR AMERICAN NURSERY STOCK.

A bill has been introduced in the Canadian House of Commons by the Minister of Agriculture to prohibit the importation of American nursery stock on account of the San Jose scale. The bill is also directed against Japan and Hawaii. The minister held that the bill was necessary to protect the interests of Canadian nurserymen. The rules of the house were suspended to hurry the passage of the bill so as to make it impossible for American nurserymen to rush their stock into Canada before the law is proclaimed. The bill was read a first, second and third time on March 17.

HORT. SOCIETY OF CHICAGO.

The preliminary list of premiums for annual fall exhibition of the Horticultural Society of Chicago, to be held Nov. 8 to 12 next, has been issued. The premiums are as usual very liberal, and there are a number of interesting new classes. The international competition in chrysanthemum cut flowers is again announced, and the prize in each class has been increased to $6, the sweepstakes of $50 remaining as before. Copies of the list may be had on application to the assistant secretary, Mr. W. N. Rudd, Room 202, 185 Dearborn street, Chicago.

Always Mention the....
Florists' Review
When Writing Advertisers.

GET THE BEST

Our Prices are Low, considering the fine Quality of Stock supplied.
Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$2.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
Alyssum, T. Thumb and Giant dbl, 2½-inch pots	2.50	20.00
Begonias, fine assortment, 3-inch pots	4.00	35.00
Begonias, Vernon, 2½-inch pots	3.50	30.00
Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00
Cannas—Fine assortment of leading varieties. Prices on application.		
Coleus—Just the kind of cuttings you would root for your own use—not small tips that require the use of a magnifying glass t discover them.		
Coleus, Golden Bedder, Verschaffeltii, etc.	1.00	7.50
Plants of the above variety, from 2½-inch pots	2.00	15.00
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
German Ivy, 2½-inch pots	2.00	15.00
Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
" rooted cuttings, blue	1.50	12.50
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
Moon Vines (the true Colonyction), rooted cuttings	2.50	20.00
Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
Salvia, Nana Erecta or Bonfire, rooted cuttings	1.50	12.50
Swainsona, Alba and Rosea (very strong), 2½-inch pots	4.00	30.00

Cash with order from unknown customers or c. o. d.
Orders amounting to $5 and over, f. o. b. New York City.

J. C. CLARK. Supt. **SEAWANHAKA GREENHOUSES,** Wm. L. SWAN, Prop.
P. O. Box 34. Oyster Bay, N. Y.

SCOTT'S ROSES...

AMERICAN BEAUTY

Now ready to ship. Plants from 2½ inch pots $8.00 per 100; $50.00 per 1000.

BRIDE, BRIDESMAID, PERLE DES JARDINS, METEOR and CARNOT
From 2½ inch pots. Write for prices.

ULRICH BRUNNER
Strong plants of hard wooded cuttings from 2½ inch pots, $1.00 per 100; $35.00 per 1000. This is gilt edged stock and has a reputation of its own. Last year we could have sold 10,000 plants after our stock was sold. Sample for 10 cents.

New Dwarf Canna Gloriosa, without exception the most useful and beautiful Canna yet introduced. Plants from 3 inch pots, $2.00 per doz.; $12.50 per 100.
Canna Flamingo, dormant roots, $3.00 per 100.
Canna Paul Marquant, dormant roots, $2.00 per 100; $15.00 per 1000. ORDER NOW.
Canna Chas. Henderson, dormant roots, $2.00 per 100; $15.00 per 1000.

ROBT. SCOTT & SON, 753 So. 19th St., Phila., Pa.

LAGER & HURRELL

Growers and Importers of



ORCHIDS

Correspondence Solicited.

SUMMIT, - - N. J.

ORDERS, PLEASE.

All the leading Carnations now ready.	Per 100.
Geraniums named, our selection only, 2¼ in.	$2 00
Salvia Clara Bedman, 2¼ in.	2 00
Little Gem feverfew, 2¼ in.	2 00
Coleus, 20 best bedders, 2¼ in.	1 50
Lycopodium Dent'n, 2¼ in.	2 00
Tradescantia Multicolor, 2¼ in.	2 00
Alternanthera Aurea Nana, and P. Major, 2¼ in.	2 00

THE MORRIS FLORAL CO., Morris, Ill.

DWARF PAPAYAS.

MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

MARTIN BENSON, Dongola, Ill.

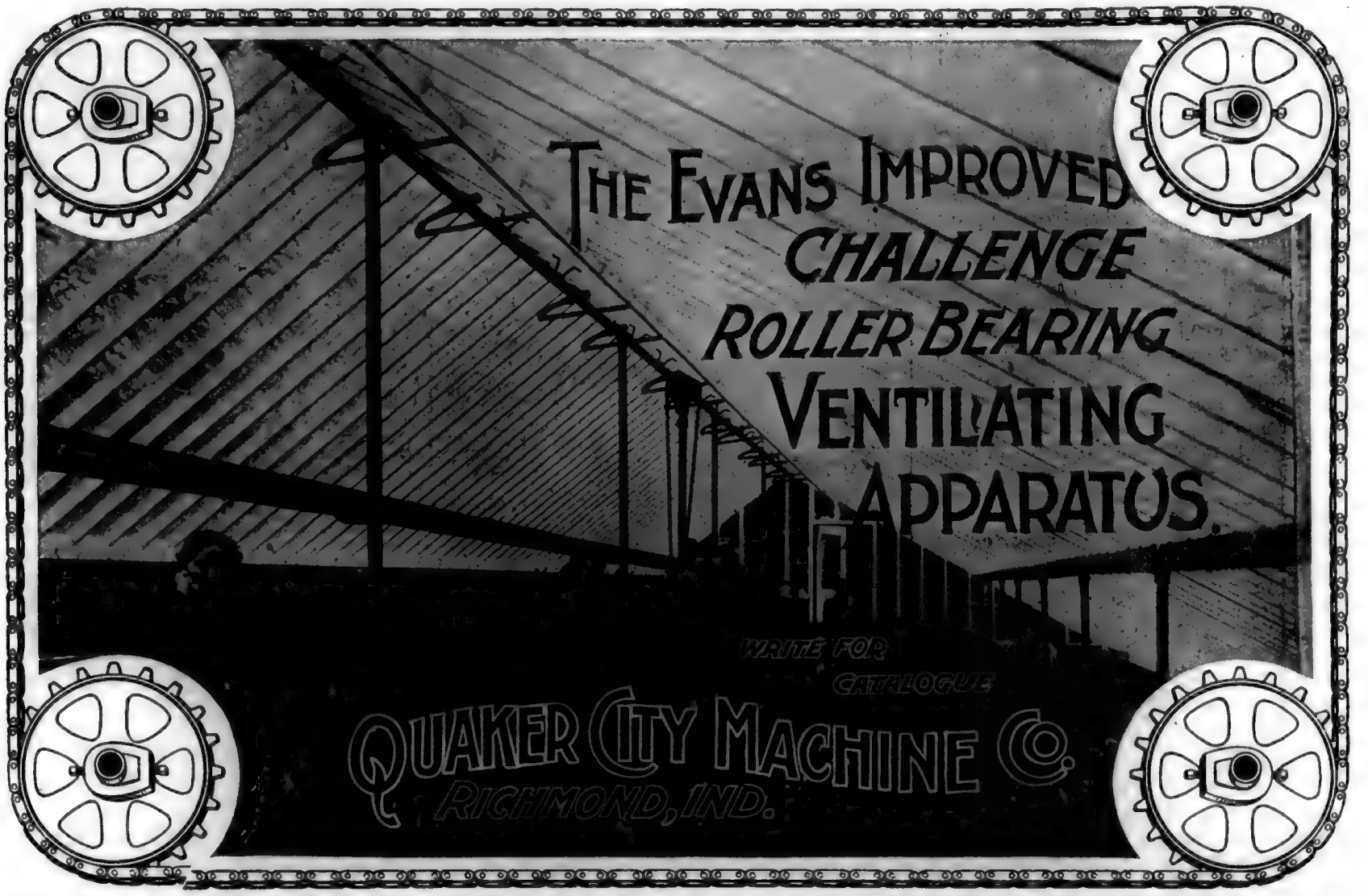
2-inch Pot Roses.

SAME OF CARNATIONS.

Send 50c. for Samples and Prices.

Fine Smilax in 2-in. pots.
Geraniums in 2 and 3-in. Pots.

GEO. A. KUHL, Pekin, Ill.



AN UNPARALLELED SUBSCRIPTION OFFER.

EVERY one to whom this issue of the FLORISTS' REVIEW is addressed, and who fills out, signs and returns the accompanying subscription blank, accompanied by $1.00, within 30 days from date, will receive not only the FLORISTS' REVIEW for one year but also a certificate entitling him to the earnings on one-tenth of a share of stock in the company formed to publish the paper. The shares will be of a par value of $10.00 each.

Why do we make such an unparalleled offer? It is very simple.

You will have an interest in the success of the paper.

You will see that you can buy everything that you want to just as good advantage from advertisers in the FLORISTS' REVIEW as elsewhere and at the same time benefit yourself by increasing the earning power of your certificate.

This mutual arrangement cannot fail to bring to the paper a heavy advertising patronage, and as a result the stock represented by your certificate will earn good dividends.

And the more you buy of advertisers in the FLORISTS' REVIEW (always mentioning the paper) the larger your dividends will be.

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FLORISTS' PUBLISHING COMPANY,

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TORONTO.

One of the first objects which attracted my notice on this visit to John H. Dunlop's was his new rose named Lady Dorothea, a beauty of the first water, justly meriting the award bestowed upon it recently in New York and could the committee see the plants at home they would feel still more convinced of its qualities.

Compared with Sunset, from which it is a sport, it is entirely distinct, the color being a soft, warm tint of deep pink, shaded with yellow. A fine, healthy stock is being worked up for distribution next year.

Bougere, both white and pink, is a tremendous bloomer, a perfect forest of foliage and blooms; Meteor, in third crop since December, foliaged to bottom and breaking freely; Brides and Maids in exquisite loveliness. Mr. Dunlop may be pardoned for being proud of such grand stock.

Carnations are not all that could be desired, but 'tis impossible to have everything just as one may wish, and if these are slightly off crop the record of pickings of Marie Louise violets makes interesting reading, a total number of 75,000 from 1,100 plants being considered not so bad.

Mr. Dunlop is a convert to the grafting method of raising roses after seeing the superb stocks being grown by Alex Montgomery, of Natick, and A. N. Pierson, of Cromwell. At the same time he "caught on" to J. N. May's method of using ordinary soft bricks upon slates in the propagating beds to neutralize the heat and finds the system an admirable one, both for adiantums in pots placed upon the clean bricks and cuttings placed in sand which keep moister and sweeter. He does not expect to have to change the sand through the entire season. Prospects are bright for Easter, both in crops and orders.

Mr. Dunlop finds a mixture of white lead and coal oil, with a dash of emerald green, a most satisfactory shading.

J. Gammage's Sons, at London, are in this satisfactory condition. They have lately added one house for Meteors 20x100, and are adding three more 10x185, to be opened at gutters for carnations. Stocks are in prime shape, particularly roses. Wootton is most satisfactory and Kaiserin proves itself a splendid winter rose, cropping continuously and breaking freely. A large stock of soft-wooded plants are raised for spring bedding.

W. M.

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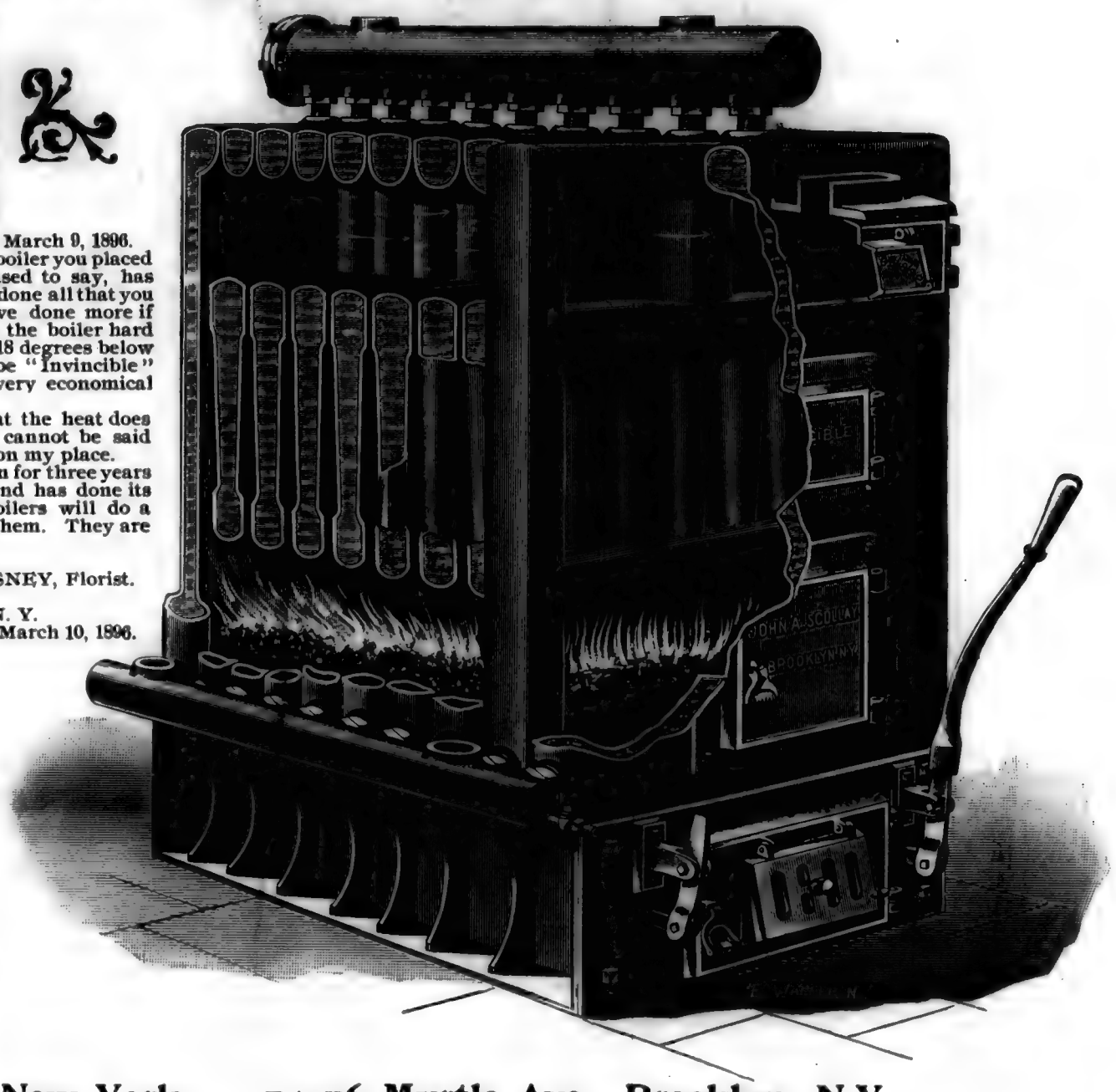
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Very truly,
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Florists' Review....

GRAND RAPIDS, MICH.

Trade is still brisk, and very much unlike what was expected for the Lenten season. St. Valentine's day was the busiest day of all winter, excepting the holidays. It resembled the day before Christmas. Stock sold out early, and orders kept pouring in all day, particularly from out of town, with nothing to fill them with, and useless to attempt to buy. A new fad is on tap, and in a measure accounts for the unusual increased demand for Feb. 14. Many persons sent out cut flower valentines instead of the regular article. For instance, some of the school teachers would send a valentine of six or a dozen carnations or roses to each of the other teachers, and so on. It is an innovation to foster and encourage in other localities, as well as locally.

Although all large functions have ceased, weddings, funerals and the steady demand for loose bunches have kept flowers scarce. From appearances business promises to continue good. Bulbous stock is getting scarce, save daffodils and tulips, and the supply of smilax is dwindling toward the vanishing point.

The best grade of roses advanced 25 cents per dozen, and all prices yet remain firm. The weather is bright and warm, the days longer, and it is presumed the supply may soon equal and pass the demand point. The outlook for Easter stock is fair. Lilies are more or less diseased, and will be given a turn at the next club meeting.

Personal.

F. Postma and Mr. Blair have severed their connection with T. R. Renwick & Co., Mr. Postma going to work for Henry Smith, and Mr. Blair still undecided between an up north and down south engagement.

Chas. Bowditch, late with F. A. Chapman, is now traveling for Henry A. Dreer, of Philadelphia.

Wencil Cukierski, the city florist, has purchased a number of lots on the west side, on which to erect a greenhouse plant, should occasion require.

GEORGE F. CRABB.

JOIN The Review family. You will find it both pleasant and profitable.

GALT, ONT.—The annual banquet of the Galt Horticultural Society, held recently, was the most successful affair of the sort held by the society. About forty were present, the supper was excellent and the toasts were responded to with much enthusiasm.

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" "	4-in. pots, 15 to 18-in., 2 to 3 ch. leaves....	20
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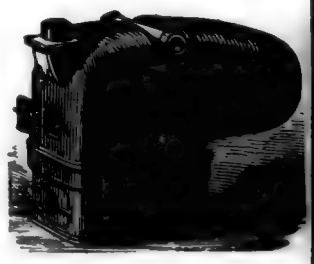


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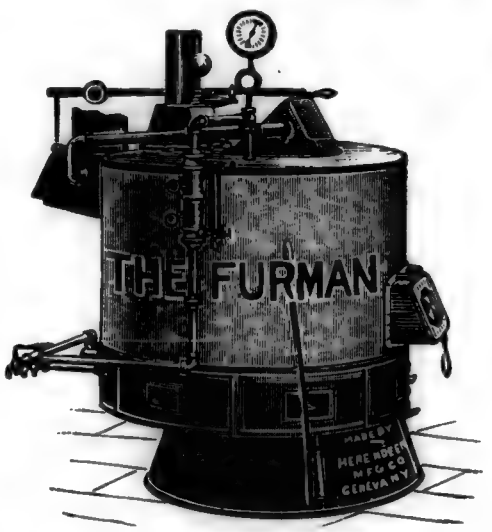
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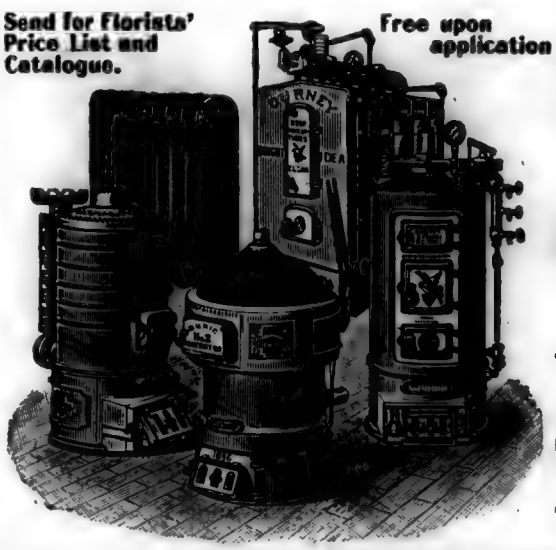
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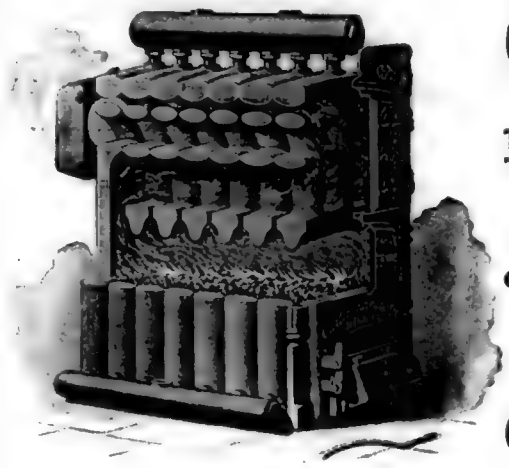
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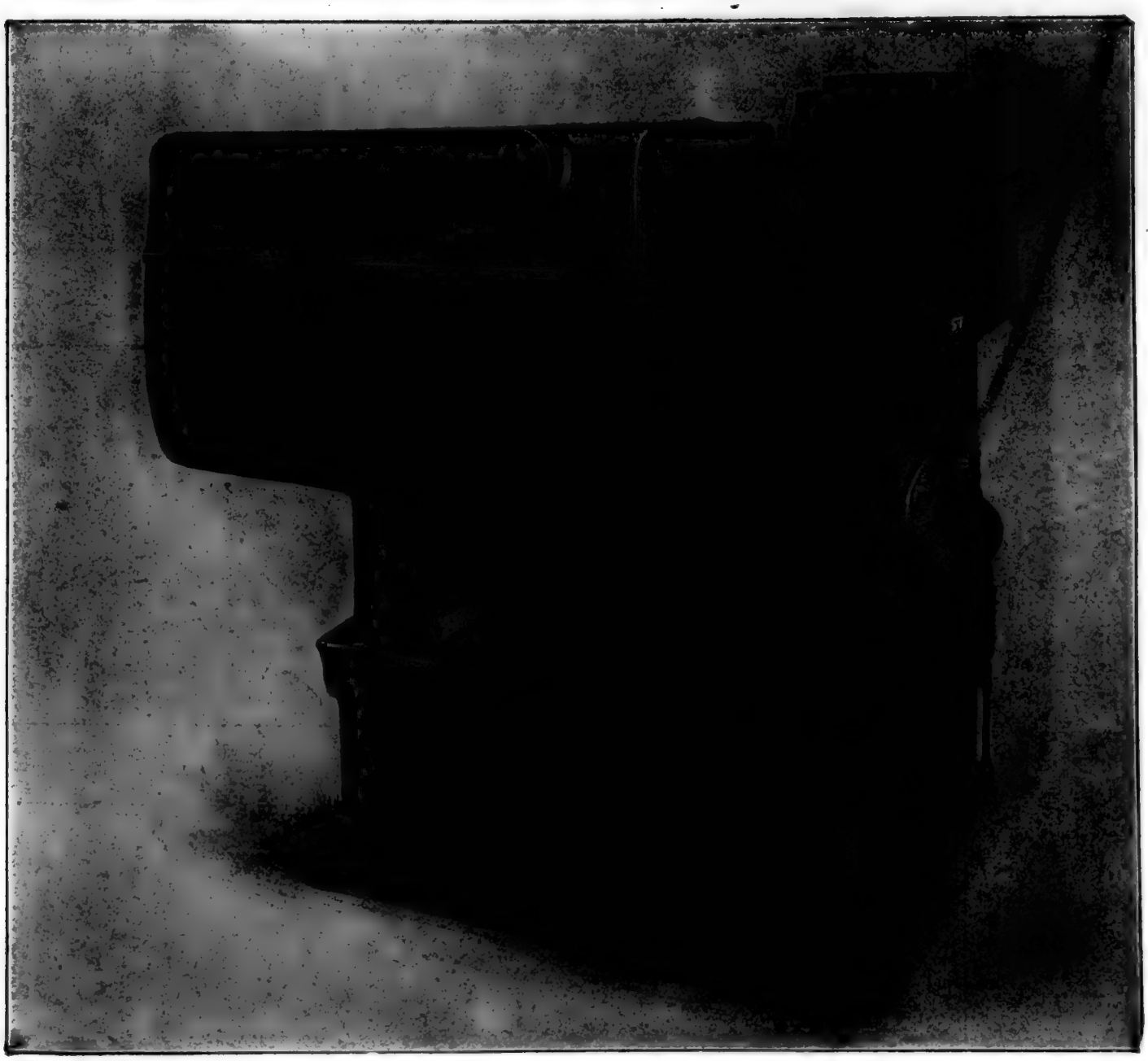


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I have heated two Rose Houses with it, each 18'6" wide and 160' long, total amount of glass surface 8,000 square feet. I didn't have to push it much when the temperature was 8 and 12 degrees below zero to have my houses 56 degrees. I consider it economical in fuel, easily cleaned and very easy to fire. If I am fortunate in the future to extend my plant, I shall select the same heater.

Your ventilating apparatus is also to my entire satisfaction.

Respectfully yours,
(Signed) D. FALCONER.

I. P. Dickenson, Lettuce Grower, of Morganville, N. J., writes:

In answer to your inquiry as to how I like your New Sectional Boiler, would say that it gives good satisfaction, throws out heat freely, is easy to regulate, and requires very little labor and attention. I have two other sectional boilers, which it is claimed will heat nearly twice as much as yours, but I think yours, the No. 57, will beat them both, and with only one half the amount of coal. The No. 57 is a hummer.

Yours truly,
(Signed) I. P. DICKENSON.

Louis Dupuy, Florist, of Whitestone, L. I., writes:

It affords me great pleasure to tell you that your new sectional Boiler you supplied me last Summer, is a boiler far superior to any I have so far seen in use. It has not been in any way over-estimated, as it does easily all you claim for it. Every man I have had attending to the fires was quick in praising your No. 57 in comparison with the other boilers. Respectfully yours,
(Signed) L. DUPUY.

Anton Schultheis, Florist, of College Point, L. I., writes:

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Respectfully yours,
(Signed) A. SCHULTHEIS.

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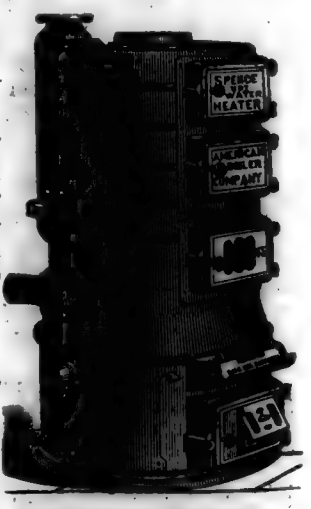
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ACACIA PUBESCENS.

The illustration shows a plant of this beautiful yellow-flowered shrub growing in a 10-inch pot, and will supplement the recent very interesting article on acacias by Mr. Herrington.

This species is easily grown with cool treatment, and when in bloom is greatly admired by visitors, but is rarely met with, and I do not know where a stock could be obtained in this country.

Our plants have never produced any seed, and we have found cuttings difficult to root. The graceful, pendulous sprays are fine for cutting, and add a delicate finish to the best floral work.

W. T. BELL.



Acacia Pubescens.

PLANTING AROUND A FOUNTAIN.

What could be used to advantage for a strip six feet wide running around a fountain, situated in a small park in the center of town? The fountain basin is about thirty feet in diameter, so the strip would be about one hundred feet long. The lower edge is about one foot above surrounding walks and inside edge perhaps eighteen inches above walks. In stating plants you would advise using, please also give number required. E. C. KECK.

Iowa.

As more or less spray will be carried from the fountain by winds, most flowering and foliage plants would be unsuitable, and tall growing plants would probably obstruct the view of the basin, though height of basin edge is not given in the inquiry. I would therefore advise Funkia undulata, Funkia undulata variegata, Funkia alba cordata, the smaller varieties of iris for outer edge, alternating with Hemerocallis Sieboldii, allowing two feet apart for funkias and eighteen inches apart for irises. C. J. S.

LINGERING CHRYSANTHEMUMS.

Our chrysanthemums are grown in the usual manner, on raised benches, one stem and one flower to a plant. The last of the main crop of flowers are cut in December, or very early in January, when the bench is cleared for something else. This season some of the plants were allowed to remain, and produced many medium-sized blooms from short side branches; and when these are removed, throw up stems from the ground that produce better flowers, that can be cut long enough to be useful.

We cut flowers of Maud Dean on March 5 from plants that had not been disbudded, the largest flower being six inches in diameter, and the plants

having then numerous buds.

The plants have since been thrown out; but were healthy and vigorous, and would undoubtedly have flowered for some time longer.

W. T. BELL.

MISCELLANEOUS SEASONABLE HINTS.

Easter Suggestions.

Just a few words more about the big week that is before us, and where we expect to make a little fortune, if it doesn't freeze hard. Last year with us, the Saturday before Easter was rainy. The two previous years it was freezing. This is such an exception to all other years in our memory that we announce with confidence that winter is past and gone, and tight packing cases, heated wagons, wrapping paper, warped tempers and twisted figures of speech will be entirely absent during our rush. With many of us it is a great rush and a trying time, even if we have the most favorable weather on our side. The more faithfully you endeavor to fill your orders, both as to quality, neatness and punctuality, the greater is the mental strain, and if you don't worry over these things, you are likely to have many a call-down and give serious offense in some places.

Therefore, to help out with filling your orders for the two days before Easter, which is often thirty days' work crowded into two, put off nothing for tomorrow that can be done today. You should clear off a space in one house or more. Over the sand or ashes that is on the bench spread heavy, coarse paper. Any number of plants will be bought early in the week, to be delivered "with this card attached, please," on the Saturday or Sunday. All those can have their pots well cleaned, the card attached, and address tag, and be put away ready for delivery. It is well to have a space set aside for Friday's delivery, another for Saturday, and for Sunday. Stood on this paper, the pots will be clean and pleasant to handle. You can then say to most any boy, "Get the Azalea in Saturdays orders labeled 'Mrs. Isidore De Blanco.'" You are also sure that most all of your good lilies, cytisus, mignonette, hyancinths and other plants will be wanted. Don't wait ti l the end of the week, and then have two or three men scrubbing pots and raising a great muss, and be in everybody's way. Have it all done before the real rush begins.

Crepe Paper.

Crepe paper will be used largely this year, and you cannot blame a customer for wishing the pot covered. Many a fine 10-inch pan of Dutch hyacinths was sold last year because they were tastefully fixed up with crepe, and lots of this work you can do ahead of time, particularly can you have the crepe paper—lots of it; cut into different sizes and of different shades, sizes to suit pots and pans from 4 to 12 inches.

I have no advice to give you about packing plants except this: If you have a lot of lilies to cart to town, don't stand them in the wagon, where they can swing about and jam their heads together. Tie half a dozen or more together, so when they swing they all go together, and no bruising occurs.

Shifting Geraniums.

If possible, don't delay in getting their pots in which they will be sold—your 3-inch geraniums shifted into a 4-inch. It takes some time to do this, where there are many thousands, and don't use too rich and light a soil. If it is a little heavy, so much the better. A rather heavy loam with a fifth of old hotbed manure will do them finely. Pot firmly and solid. It is flowers you want, and this condition will produce them. I have made a point of saying heavy soil and potting firmly, because sometimes we have to buy these geraniums, and often find them grown in almost pure rotten manure and leaf mould, the very opposite of what they want. They grow and produce leaves, and sometimes flowers, but fall about at the surface of the soil, and are poor things to plant out of doors in the sun and wind. The ivy leaf class is now very important. The soil for them can be a little richer, but pot firmly.

Much as hanging shelves or any sort of shelves are to be condemned, for in many respects they are a nuisance, it is difficult to find a place that will grow these ivy leaf geraniums and other droopers as well as the shelves. If you don't let them hang over the edge of a shelf, you must tie them up, which is much more trouble and not their natural way to grow. It is almost impossible to grow fine lobelias without the aid of shelves.

Transplanting Annuals.

As soon as the annuals, such as asters, zinnias, phlox, etc., are up an inch high, and before they smother each other, they should be transplanted into flats one inch or more apart. I like them in flats best, unless you grow tens of thousands, because you can keep them in the greenhouse a week or two before removing to a cold frame, where they will do first rate after the middle of April. If you are not an expert in this handling of small seedlings, learn to be. You can and must plant them deep enough, so that their leaves are almost touching the surface of the soil. Some people are very careful to squeeze the soil close to the plant at the surface, and leave the root very loose. The reverse is just what is wanted. The surface will close up with a good watering, but see that you get your dibble away down and pack the soil well around the roots. This seems almost unnecessary to write about, simple little operation as it is, yet I have seen hundreds of asters just perish because their roots were left dangling in a cavity.

Ventilation—Heating.

This extraordinarily mild weather may tempt some of you to let your fires out, and if you did on your carnation houses no harm, but on plant houses it would be poor economy, and more particularly would it be injurious to roses. If the thermometer stood at 60 degrees outside all night, and you were to close up the house tightly, with no fire, and were to repeat this a few nights, you would most assured y be attacked with that fungus (I don't know its name, but I know well its effect), and every leaf would drop, and even the young, tender growths would perish. When you enter the house in the morning and see the pretty dewdrops on the edges of the leaves, look out; three such mornings and the trick is done. This every rose grower has seen, both in fall and spring. It is not likely that you will let your fires out, but if you do, then leave on air and this trouble will not occur. Of course, the ideal conditions on mild nights are a little fire and a little ventilation.

A remarkably vigorous growth is noticeable the past few weeks on both roses and carnations. It is simply the abundance of fresh air we have been able to give them, approaching in a measure the conditions they would get outside. It is a lesson for us. Soil, water, and ventilation, or fresh air, are inseparable, and we can't grow flowers without a proper quantity or observance of all of them, but I really think that if either wants the closest watching and demands the greatest exercise of brains more than the others, it is ventilation.

W. S.

PLATEAU OF NARCISSUS.

The engraving is from a photograph taken especially for The Review of a plateau of narcissus arranged by Mr. Geo. M. Stumpp, of New York, for the



Plateau of Narcissus and Ferns.

center of a dinner table. It was photographed in the basement of the store and the surroundings must not be considered in connection with the plateau.

The width of the plateau was seven feet and it was made for a table twelve feet in diameter. It was made in four sections, to facilitate handling. A square space was left in the center, in which a central vase of flowers could be placed. The sections were made of boards and moss tied over the surface. In the arrangement the endeavor was to give the impression of a mass of daffodils, ferns and grasses growing together.

Nearly 700 narcissus flowers were used, including Von Sion, Trumpet Major and Golden Spur, and about 150 small ferns and grasses. In the center corners were four plants of Pteris tremula from 6-inch pots, the remainder of the ferns and daffodils being set in the mound as naturally as possible and sloping to the edges. The ferns were from 3 and 4-inch pots, but the daffodils were cut and "stemmed."

In the center of the plateau is seen a vase of the yellow Forsythia Fortunei.

THE BOUVARDIA.

[From advance sheets of the Florists' Manual, by William Scott.]

The bouvardia can be classed as almost a tropical plant, most of the species coming from Southern Mexico and South America. The hybrids of some of these species are what are of value to the florist. Twenty years ago the bouvardia was one of the most important of the plants we grew, but of late years, with the advent of long-stemmed carnations, the wonderful roses, the chrysanthemum and other more durable flowers, the bouvardias have been much less grown, and in commercial places they generally occupy but a small space, if any, notwithstanding they are beautiful and easily grown, and that the flower has grace and refinement. In these days of keen competition, the question is, "Do they pay?" That you must judge by experience in your own locality.

The best time to begin propagation is early March, with the roots of plants that have been grown on a bench for winter flowering. The bouvardia roots very slowly and unsatisfactorily from the young top growths, and in ordinary practice that is not considered a practical method of propagating this plant. We will begin with the young roots. Don't take the large roots near the base of the plants, nor the thin, thread-like roots of the widest growth. Choose the growths between these. Cut them into pieces about one-half or three-fourths of an inch in length and distribute them on a propagating bench, where you have a good heat, as you would coarse seed, pressing them into the sand. Then cover with at least an eighth of an inch of sand, pressing it down after covering. Water sufficiently to keep moist, about as you would other cuttings. In three or four weeks young plants will be springing up. When they have made two or three leaves and are an inch high, lift them from the sand and pot into 2-inch pots.

The bouvardia is a tropical plant and at no stage of its existence should it be exposed to a low temperature. This accounts for the very different treatment we give it from what is considered right in Western Europe. Plant out in the open ground about the first of June, or earlier, if you are in a latitude where no late frosts appear. A very light, rich soil is much the best adapted to the wants of the bouvardia. Unless there is a very long spell of hot, dry weather, no watering is needed after the first good watering when planted. The growth that has started in the greenhouse will continue to grow out of doors, but that is of little consequence, and can before lifting be entirely cut away. It is the strong, vigorous growth that will spring from the roots after being planted out that you will depend on to give you flowers. They want stopping about twice during the summer.

The lifting time will vary according to where you are. In Buffalo we used to lift about the second week in September. If later, and the weather should be cold, they are much slower in taking hold of the soil in their new quarters. A very good plan is to do the last pinching a week or so before you lift them. The break from this last stopping will then come in about right for the holidays. Plant in five inches of good loam, and as to distance apart, be guided by size of the plants. A foot apart is little enough for any of them. Anybody, with almost any temperature, can get the first crop of bouvardia, but to get them to make a growth and a profitable crop of flowers again in March requires heat. Unless they are kept in a night temperature of at least 60 degrees and syringed daily, they will just stand still after their first crop is over. The rampant way they grow and flower when the warm sun of April comes shows you what they want.

They can, of course, be grown in

pots, but do far better and are more easy to manage planted on a bench in a light, warm house.

If after the end of March you need the bench for some other crop you can cut down the bouvardias to within a few inches of the bench, lift them, shaking off all the soil, and place them close together in flats with three or four inches of moist soil around them and put under a bench where there is not much drip, and they will do there all right till planting out time. The old plants will of course be much larger than those propagated the first year.

Red spider attacks them, and so do mealy bug, but their presence is inexcusable, for a proper use of the hose will prevent both. Green fly will appear if fumigation is neglected, but be careful to smoke lightly, particularly when the plants are first housed, for they burn readily.

In lifting, I cannot say as you can about carnations, "let all the soil tumble off if it will, so long as I save every fibre," for they do not lift so well, or rather, do not recuperate so quickly. Lift carefully with a good ball of earth and for the first week shade and syringe frequently.

GREENHOUSE PESTS, SAN JOSE SCALE AND LEGISLATION VERSUS INSECTS.

[Read by Professor John B. Smith before the New York Florists' Club.]

The topics are wide, and either would furnish a text for a sermon if treated at large; but I will content myself with making suggestions rather than exhaustive and exhausting descriptions.

All rational methods for the destruction of insects, indoors or in the fields, must be based upon a knowledge of the character of the insect to be dealt with, of its life history and of the way in which the destructive agent is expected to work.

In the greenhouse where leaves and flowers are the desired products, many methods that are available in the field, become useless. The plants are more delicate, the foliage is more tender and the flowers must be guarded from anything that will tend to discolor or in any way injure their perfection.

We must attempt to arrange our practice so as to destroy the insects without harming our plants, and the selection of a proper agent is sometimes difficult. First, it is important to know how we kill insects. Of course in those cases where the creatures eat the leaf-tissue and we use arsenicals, the matter is simple. The poison acts through the stomach exactly as if some higher animal were the victim. But stomach poisons, especially arsenicals, are rarely desirable in a greenhouse, and the insects against which they are necessary are not among those that are most destructive.

Most of the greenhouse pests are suckers and creatures that live on the plant juices and merely puncture the outer tissue to get at the liquid within. Creatures like that cannot be reached by stomach poisons until we learn how to poison the plant circulation itself.

Of course the damage caused is in direct proportion to the number of insects present. A single plant louse, for instance, can do little harm; on a carnation leaf, for example—it makes a puncture or two, exhausts a few cells and dies. The amount of sap taken is insignificant, and not in the least a drawback to the plant. Locally we see a minute yellow spot, and if the leaf be held up toward the light and examined with a glass, a thin spot of exhausted plant cells is seen. With a higher magnification we may see the minute puncture itself. But this is not all, unfortunately. Bacteria and other disease germs are constantly present in the air and on the plant surface; so long as this surface remains unbroken they are harmless; but so minute are they, that even the slightest wound gives them entrance and the puncture made by a plant louse is more than sufficient. The exhausted and partly decaying cells injured by the insects form an excellent culture medium for the micro-organism and soon the minute spot begins to grow. Then we find a bacteriosis of carnations fully established and now a germ disease instead of an insect must be fought.

I do not mean to assert that all cases of bacteriosis are started in this way, for any skin wound will serve equally well; but it cannot be doubted that in a large percentage of cases the origin of the disease is from an insect puncture. As the insects increase in number, their injury becomes more severe. Yellow spots multiply and the plant begins to feel not only the loss of sap, but the failure of the leaves to exercise their proper function. The disease centers are equally multiplied and the plant becomes physically unfit to perform its work of producing perfect flowers in satisfactory quantity.

We get then one very important suggestion here—keep plants as sound as possible and deal with insects at once, when they are few in number, not when they have become so numerous that the plants are practically unable to recover. We must always remember that plants are living beings and responsive to both good and bad treatment. They are as variable in their resisting powers to outside influence as are the members of the animal kingdom, and the one in the best physical health in either case, stands the best chance of altogether avoiding injury.

To understand just how contact poisons work on insects we must consider for an instant the general anatomy, and particularly their mode of breathing. Insects have no closed system of blood circulation such as we find in higher animals. There is only one long tube more or less divided into chambers and this acts as a pump, forcing the blood into the head cavity and from there it makes its way through the body among the muscles and viscera until it finds its way back into the pump.

Neither do insects have lungs and yet they require air to purify the blood, for life is essentially the same in them as in man. Therefore a modification in structure has occurred and the air is carried in flexible tubes to all parts of the body. These tubes go everywhere where the blood goes and they open along the sides of the body—never on the head. An insect breathes, then, along the entire length of each side and there may be as many as 20 openings, although there are usually less. Ordinarily contact poisons act through these spiracles or breathing pores, though sometimes, on soft-bodied slugs, we can use caustics. In the greenhouse, however, these caustics would be almost as dangerous to the plants as to the insects, hence the safer materials which act through the spiracles must be employed.

These may be soaps of various kinds, tobacco decoctions, oils, dry powders or gases, and each of these acts in a different way.

One of the simplest of the remedies usually employed is sulphur, either dry or in the shape of sulphur water. In either case the result is due to the decomposition of the sulphur producing a vapor which is deadly to insect life. Against creatures like the red mite or spider so often found on violets and other plants, dry sulphur spread on the soil and allowed to decompose slowly by the warmth and moisture often acts like a charm. Sulphur, indeed, is almost a specific against mites or similar minute spider-like creatures. The gases given off by its decomposition seem to be deadly to them. To the plants it is harmless unless used in unreasonable quantity. Exactly where the reasonable line ends is a question which the experience of the gardener must ascertain for each line of plants; but ordinarily there is no risk in sowing the sulphur so as to yellow the soil very perceptibly.

The sulphur acts only when the insects are in the active stage, and does not injure the eggs, hence infestation may continue for some time after the sulphur is applied, and so long as any unhatched eggs remain.

Against plant-lice sulphur is of little use as compared with tobacco. Tobacco in all forms is a good thing. It is a fertilizer, the nicotine as it is gradually extracted by the moisture of the soil kills almost all insect life contained in it, and when vaporized it is death to plant lice. The mere smell of the tobacco while apparently unpleasant to many nsects is not poisonous to them. But an extract in water so applied that the insects became covered, is rapidly fatal. So tobacco smoke when breathed by insects is fatal to many, while it stupefies a yet greater number. I need not speak on this point to practical florists, all of whom have probably had experience in this direction. A very good way to use tobacco where pipes are sufficiently hot is to smear them with a tobacco extract and moisten from time to time until it has all evaporated. This will penetrate everywhere and will settle on everything in almost invisible globules, killing all the aphides that come under its influence.

This leads naturally to another very important point that must be considered and whose neglect accounts for many failures. Most insects have the bodies either pubescent, very polished, or powdery or somewhat waxy on the surface, so that they shed water quite readily and any application of a coarse spray simply rolls off without effect. So also the spiracles or breathing pores are furnished with protecting screens of hair or bristles which serve to keep out foreign material. A large drop of water or watery decoction has not the least chance of penetrating through this protection and the application is useless as an insecticide. Use the same mixture with an atomizer and the result will be quite different. The minute globules adhere readily to the insect because they are not heavy enough to roll off; they penetrate between the protecting screen or under it, and enter the body with the inbreathing. Therefore when tobacco or any other watery mixture is to be applied it should be put on in as fine a spray as can be secured.

For cleaning house plants of all save scale insects, a tobacco soap suds put on with an atomizer, is almost perfect. This brings me to soaps as insecticides and they act in a somewhat different way. When put on very strong they are of course very caustic and as dangerous to plants as to insects. Put on at a strength safe to the plants they clog the spiracles and thus choke the insects to death.

Some of you in days gone by may have made soap bubbles, and if you did not you have probably seen others make them. This is a good example of the tenacity of a soap film, and if such a one forms over the spiracles of an insect the creature simply chokes to death. That explains how soaps act and the one that forms the stickiest film is the best. Tar soaps, or fir-tree oil soaps are particularly good for that reason, and fish oil soaps come next. You can readily test the difference between these and the common hard soap suds if you make a solution of equal strength. The common soap suds will feel clean and smooth and crisp to the hand, while the others will feel more or less slimy. These soapy mixtures should also be put on in a fine spray and from what I have said you will realize that thoroughness is essential, for no insect not actually hit by an application will be in the least affected by it. Soap suds have an advantage over mere watery mixtures, because they adhere better. The insect surface that will shed a droplet of water will retain and become covered by one of soap-suds



An Easter Thought.

[Arranged and Photographed by Mr. W. T. Bell, Franklin, Pa.]

—hence a tobacco soap is better than a tobacco tea, though neither is equal to a tobacco smoke.

There is another point worthy of attention in the greenhouse. If soaps are to be used, those made with potash rather than with soda should be selected. Potash is a plant food and when washed into the soil acts as a fertilizer and is taken up and removed by the vegetable growth. Soda on the contrary in the form used in soaps is actually deleterious to the plants when present in any quantity, and a frequent use of suds made with a soda soap may easily impair the value of the soil for plant growth. In general, hard soaps are soda soaps, while soft soaps are potash soaps.

Dry powders are rarely used in the greenhouse, but whenever they are to be employed the reasons that call for a fine spray, call for the finest possible dust. The finer the dust, the more effective the application. Coarse particles are readily sifted out, but fine fragments penetrate and get into the body cavity where they can produce their characteristic effect.

Of the oils, kerosene only has been used to any extent, and this is a most valuable insecticide where its use is allowable. It is very effective even when greatly diluted, but it must be first emulsified before it can be mixed with water. This emulsion is prepared as follows:

Hard soap shaved fine,	½ pound.
Water,	1 gallon.
Kerosene,	2 gallons.

Dissolve the soap in boiling water and pour the kerosene, which should also be slightly warm, into the boiling hot suds—churn rapidly with a force pump for a few minutes, and you will get a beautiful, snow-white butter which will keep in a cool place for weeks, and will dissolve readily in water to any extent.

Thus much for insecticides in general, and now a few words concerning a very few kinds of insects. Of course the same conditions that favor the growth of plants also favor the development of certain kinds of insects, and particularly, plant lice or aphides, commonly called "green-fly" or "black fly" according as they vary in color.

These are peculiar in several respects and particularly their mode of multiplication. Their appearance I will not undertake to describe, but if a single large individual be observed for a few days in succession, it will be noted that a colony of small specimens, daily increasing in size and number, forms round here, and, as these attain full size in a few days they move off a little distance and in turn become centers of new colonies. If the watch be continuous and close, it may be observed that every few hours the mother of the colony gives birth to a living young and all her descendants are apt to be like herself, viviparous, parthenogenetic females. Some of them become winged, but that is not necessary to enable them to begin reproduction. Under greenhouse conditions no males are produced as a rule, and multiplication goes on with great rapidity. It is against such insects that the florist is most frequently called to battle, and besides the methods already mentioned, it may be in place to say that single plants may be often completely cleaned by the use of bisulphide of carbon. Bisulphide of carbon is a clear liquid like water which volatilizes rapidly, giving off an extremely foul odor which is poisonous to insects when confined in it. A dram is sufficient to poison one cubic foot of closed space, so as to kill plant lice without harming plants in one hour. In a closet constructed for the purpose, a number of plants might be placed at one time and completely cleaned, whenever such cleaning was desirable, as before sending to a customer. As the vapor is heavier than air and sinks, the bisulphide should be evaporated in a shallow dish secured in some way near the top of the closet. The objection to this material is its inflammability, but so long as this peculiarity is kept in mind it can be used with entire safety.

A somewhat similar process has of late been the subject of experiment in cleaning entire houses of insects by the use of hydrocyanic acid gas. This is secured by the action of dilute sulphuric acid on cyanide of potassium, and it is exceedingly poisonous to animal life of all kinds. The proportions are:

Fused cyanide of potassium, 98 per cent pure,	1 oz. weight.
Sulphuric acid,	1 oz. measure.
Water,	3oz. measure.

Use a glazed earthenware vessel and put in first the necessary water, then add the acid, and when all is prepared drop in the cyanide in small lumps. The formation of gas begins at once and the amounts above given will thoroughly fill 100 cubic feet of space. Plant lice succumb in a few minutes, scales in from one half to one hour—plants very soon thereafter. I do not know enough of the practical use of this gas to say much of its possibilities. I know that it has been used in some large houses; but I do not know the details. It is an exceedingly dangerous thing in careless hands, yet it may develop into a valuable method when we become better acquainted with its range and its possibilities.

Among the most troublesome greenhouse pests are scales; soft and armored. Soft scales are usually of considerable size; of the texture their name implies and brown in color. The young are smaller, much flatter and paler; usually quiescent, but capable of motion. In some species the young are produced alive, in some eggs are deposited under the female scales. Whichever is the case the florist must study the species until he knows when the young larvae are being produced. Then he should apply his washes promptly and thoroughly and at short intervals, for the larvae scales are easily killed, and once out of the way the plants will remain clean. Soap washes are best in this case, although, tobacco will do, if frequently used. The main point to be observed is the time when the young appear and prompt application as soon thereafter as possible.

The armored scales differ from the soft scales or Lecaniums in that the scale is separate from the insect itself which lies free beneath it. The armored scales have no power of motion when they are once fixed to the plant and their chance to travel is confined to a day or two just after they are born or hatched as the case may be. Treatment is much as already advised and is also effective in proportion to the promptness and thoroughness with which the application is made. No use to apply weak washes to mature scales.

pots, but do far better and are more easy to manage planted on a bench in a light, warm house.

If after the end of March you need the bench for some other crop you can cut down the bouvardias to within a few inches of the bench, lift them, shaking off all the soil, and place them close together in flats with three or four inches of moist soil around them and put under a bench where there is not much drip, and they will do there all right till planting out time. The old plants will of course be much larger than those propagated the first year.

Red spider attacks them, and so do mealy bug, but their presence is inexcusable, for a proper use of the hose will prevent both. Green fly will appear if fumigation is neglected, but be careful to smoke lightly, particularly when the plants are first housed, for they burn readily.

In lifting, I cannot say as you can about carnations, "let all the soil tumble off if it will, so long as I save every fibre," for they do not lift so well, or rather, do not recuperate so quickly. Lift carefully with a good ball of earth and for the first week shade and syringe frequently.

GREENHOUSE PESTS, SAN JOSE SCALE AND LEGISLATION VERSUS INSECTS.

[Read by Professor John B. Smith before the New York Florists' Club.]

The topics are wide, and either would furnish a text for a sermon if treated at large; but I will content myself with making suggestions rather than exhaustive and exhausting descriptions.

All rational methods for the destruction of insects, indoors or in the fields, must be based upon a knowledge of the character of the insect to be dealt with, of its life history and of the way in which the destructive agent is expected to work.

In the greenhouse where leaves and flowers are the desired products, many methods that are available in the field, become useless. The plants are more delicate, the foliage is more tender and the flowers must be guarded from anything that will tend to discolor or in any way injure their perfection.

We must attempt to arrange our practice so as to destroy the insects without harming our plants, and the selection of a proper agent is sometimes difficult. First, it is important to know how we kill insects. Of course in those cases where the creatures eat the leaf-tissue and we use arsenicals, the matter is simple. The poison acts through the stomach exactly as if some higher animal were the victim. But stomach poisons, especially arsenicals, are rarely desirable in a greenhouse, and the insects against which they are necessary are not among those that are most destructive.

Most of the greenhouse pests are suckers and creatures that live on the plant juices and merely puncture the outer tissue to get at the liquid within. Creatures like that cannot be reached by stomach poisons until we learn how to poison the plant circulation itself.

Of course the damage caused is in direct proportion to the number of insects present. A single plant louse, for instance, can do little harm; on a carnation leaf, for example—it makes a puncture or two, exhausts a few cells and dies. The amount of sap taken is insignificant, and not in the least a drawback to the plant. Locally we see a minute yellow spot, and if the leaf be held up toward the light and examined with a glass, a thin spot of exhausted plant cells is seen. With a higher magnification we may see the minute puncture itself. But this is not all, unfortunately. Bacteria and other disease germs are constantly present in the air and on the plant surface; so long as this surface remains unbroken they are harmless; but so minute are they, that even the slightest wound gives them entrance and the puncture made by a plant louse is more than sufficient. The exhausted and partly decaying cells injured by the insects form an excellent culture medium for the micro-organism and soon the minute spot begins to grow. Then we find a bacteriosis of carnations fully established and now a germ disease instead of an insect must be fought.

I do not mean to assert that all cases of bacteriosis are started in this way, for any skin wound will serve equally well; but it cannot be doubted that in a large percentage of cases the origin of the disease is from an insect puncture. As the insects increase in number, their injury becomes more severe. Yellow spots multiply and the plant begins to feel not only the loss of sap, but the failure of the leaves to exercise their proper function. The disease centers are equally multiplied and the plant becomes physically unfit to perform its work of producing perfect flowers in satisfactory quantity.

We get then one very important suggestion here—keep plants as sound as possible and deal with insects at once, when they are few in number, not when they have become so numerous that the plants are practically unable to recover. We must always remember that plants are living beings and responsive to both good and bad treatment. They are as variable in their resisting powers to outside influence as are the members of the animal kingdom, and the one in the best physical health in either case, stands the best chance of altogether avoiding injury.

To understand just how contact poisons work on insects we must consider for an instant the general anatomy, and particularly their mode of breathing. Insects have no closed system of blood circulation such as we find in higher animals. There is only one long tube more or less divided into chambers and this acts as a pump, forcing the blood into the head cavity and from there it makes its way through the body among the muscles and viscera until it finds its way back into the pump.

Neither do insects have lungs and yet they require air to purify the blood, for life is essentially the same in them as in man. Therefore a modification in structure has occurred and the air is carried in flexible tubes to all parts of the body. These tubes go everywhere where the blood goes and they open along the sides of the body—never on the head. An insect breathes, then, along the entire length of each side and there may be as many as 20 openings, although there are usually less. Ordinarily contact poisons act through these spiracles or breathing pores, though sometimes, on soft-bodied slugs, we can use caustics. In the greenhouse, however, these caustics would be almost as dangerous to the plants as to the insects, hence the safer materials which act through the spiracles must be employed.

These may be soaps of various kinds, tobacco decoctions, oils, dry powders or gases, and each of these acts in a different way.

One of the simplest of the remedies usually employed is sulphur, either dry or in the shape of sulphur water. In either case the result is due to the decomposition of the sulphur producing a vapor which is deadly to insect life. Against creatures like the red mite or spider so often found on violets and other plants, dry sulphur spread on the soil and allowed to decompose slowly by the warmth and moisture often acts like a charm. Sulphur, indeed, is almost a specific against mites or similar minute spider-like creatures. The gases given off by its decomposition seem to be deadly to them. To the plants it is harmless unless used in unreasonable quantity. Exactly where the reasonable line ends is a question which the experience of the gardener must ascertain for each line of plants; but ordinarily there is no risk in sowing the sulphur so as to yellow the soil very perceptibly.

The sulphur acts only when the insects are in the active stage, and does not injure the eggs, hence infestation may continue for some time after the sulphur is applied, and so long as any unhatched eggs remain.

Against plant-lice sulphur is of little use as compared with tobacco. Tobacco in all forms is a good thing. It is a fertilizer, the nicotine as it is gradually extracted by the moisture of the soil kills almost all insect life contained in it, and when vaporized it is death to plant lice. The mere smell of the tobacco while apparently unpleasant to many nsects is not poisonous to them. But an extract in water so applied that the insects became covered, is rapidly fatal. So tobacco smoke when breathed by insects is fatal to many, while it stupefies a yet greater number. I need not speak on this point to practical florists, all of whom have probably had experience in this direction. A very good way to use tobacco where pipes are sufficiently hot is to smear them with a tobacco extract and moisten from time to time until it has all evaporated. This will penetrate everywhere and will settle on everything in almost invisible globules, killing all the aphides that come under its influence.

This leads naturally to another very important point that must be considered and whose neglect accounts for many failures. Most insects have the bodies either pubescent, very polished, or powdery or somewhat waxy on the surface, so that they shed water quite readily and any application of a coarse spray simply rolls off without effect. So also the spiracles or breathing pores are furnished with protecting screens of hair or bristles which serve to keep out foreign material. A large drop of water or watery decoction has not the least chance of penetrating through this protection and the application is useless as an insecticide. Use the same mixture with an atomizer and the result will be quite different. The minute globules adhere readily to the insect because they are not heavy enough to roll off; they penetrate between the protecting screen or under it, and enter the body with the inbreathing. Therefore when tobacco or any other watery mixture is to be applied it should be put on in as fine a spray as can be secured.

For cleaning house plants of all save scale insects, a tobacco soap suds put on with an atomizer, is almost perfect. This brings me to soaps as insecticides and they act in a somewhat different way. When put on very strong they are of course very caustic and as dangerous to plants as to insects. Put on at a strength safe to the plants they clog the spiracles and thus choke the insects to death.

Some of you in days gone by may have made soap bubbles, and if you did not you have probably seen others make them. This is a good example of the tenacity of a soap film, and if such a one forms over the spiracles of an insect the creature simply chokes to death. That explains how soaps act and the one that forms the stickiest film is the best. Tar soaps, or fir-tree oil soaps are particularly good for that reason, and fish oil soaps come next. You can readily test the difference between these and the common hard soap suds if you make a solution of equal strength. The common soap suds will feel clean and smooth and crisp to the hand, while the others will feel more or less slimy. These soapy mixtures should also be put on in a fine spray and from what I have said you will realize that thoroughness is essential, for no insect not actually hit by an application will be in the least affected by it. Soap suds have an advantage over mere watery mixtures, because they adhere better. The insect surface that will shed a droplet of water will retain and become covered by one of soap-suds



An Easter Thought.

[Arranged and Photographed by Mr. W. T. Bell, Franklin, Pa.]

—hence a tobacco soap is better than a tobacco tea, though neither is equal to a tobacco smoke.

There is another point worthy of attention in the greenhouse. If soaps are to be used, those made with potash rather than with soda should be selected. Potash is a plant food and when washed into the soil acts as a fertilizer and is taken up and removed by the vegetable growth. Soda on the contrary in the form used in soaps is actually deleterious to the plants when present in any quantity, and a frequent use of suds made with a soda soap may easily impair the value of the soil for plant growth. In general, hard soaps are soda soaps, while soft soaps are potash soaps.

Dry powders are rarely used in the greenhouse, but whenever they are to be employed the reasons that call for a fine spray, call for the finest possible dust. The finer the dust, the more effective the application. Coarse particles are readily sifted out, but fine fragments penetrate and get into the body cavity where they can produce their characteristic effect.

Of the oils, kerosene only has been used to any extent, and this is a most valuable insecticide where its use is allowable. It is very effective even when greatly diluted, but it must be first emulsified before it can be mixed with water. This emulsion is prepared as follows:

Hard soap shaved fine,	½ pound.
Water,	1 gallon.
Kerosene,	2 gallons.

Dissolve the soap in boiling water and pour the kerosene, which should also be slightly warm, into the boiling hot suds —churn rapidly with a force pump for a few minutes, and you will get a beautiful, snow-white butter which will keep in a cool place for weeks, and will dissolve readily in water to any extent.

Thus much for insecticides in general, and now a few words concerning a very few kinds of insects. Of course the same conditions that favor the growth of plants also favor the development of certain kinds of insects, and particularly, plant lice or aphides, commonly called "green-fly" or "black fly" according as they vary in color.

These are peculiar in several respects and particularly their mode of multiplication. Their appearance I will not undertake to describe, but if a single large individual be observed for a few days in succession, it will be noted that a colony of small specimens, daily increasing in size and number, forms round here, and, as these attain full size in a few days they move off a little distance and in turn become centers of new colonies. If the watch be continuous and close, it may be observed that every few hours the mother of the colony gives birth to a living young and all her descendants are apt to be like herself, viviparous, parthenogenetic females. Some of them become winged, but that is not necessary to enable them to begin reproduction. Under greenhouse conditions no males are produced as a rule, and multiplication goes on with great rapidity. It is against such insects that the florist is most frequently called to battle, and besides the methods already mentioned, it may be in place to say that single plants may be often completely cleaned by the use of bisulphide of carbon. Bisulphide of carbon is a clear liquid like water which volatilizes rapidly, giving off an extremely foul odor which is poisonous to insects when confined in it. A dram is sufficient to poison one cubic foot of closed space, so as to kill plant lice without harming plants in one hour. In a closet constructed for the purpose, a number of plants might be placed at one time and completely cleaned, whenever such cleaning was desirable, as before sending to a customer. As the vapor is heavier than air and sinks, the bisulphide should be evaporated in a shallow dish secured in some way near the top of the closet. The objection to this material is its inflammability, but so long as this peculiarity is kept in mind it can be used with entire safety.

A somewhat similar process has of late been the subject of experiment in cleaning entire houses of insects by the use of hydrocyanic acid gas. This is secured by the action of dilute sulphuric acid on cyanide of potassium, and it is exceedingly poisonous to animal life of all kinds. The proportions are:

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Now it has been suggested that I should say something about the San Jose scale and about the attempts to legislate it out of existence. I am afraid that almost too much has been already said on the subject—enough at any rate to induce Germany to forbid the entrance of our fruit and living plants into her markets. Just how far this will be enforced, it is impossible to say at present, but perhaps far enough to make the unwisdom of the "scare" that has been caused, thoroughly apparent. That this insect is a destructive one if left to itself, is beyond question, and that we have not yet found the best method of dealing with it may also be admitted. I am firmly convinced, however, that legislation is not that best method, for laws do not enforce themselves, and if the energy displayed in securing legislation were devoted to experiments in the orchard, the result might be different. We know the life history of the insect now, thoroughly; we know that we can kill it if we are persistent, and as compared with some plant diseases it is almost harmless. In the very worst infested district in New Jersey the fire blight killed more trees last year than the scale has done in the ten years that it has been with us. In one of the best peach orchards in New Jersey the scale has been present ever since it was put out. None but careful horticultural treatment was given until the present Winter and of more than 1,000 trees, not one has been in the least harmed by the scale. Plant disease cut off 10 per cent. of the orchard last year, and 20 per cent. of some varieties. Why not legislate against that?

Legislation has a place undoubtedly in our battle with insect foes, but it is rather to give us a weapon than to act itself. There are always some men who are behind the times or who are congenitally unable to comprehend that anyone has rights that they are bound to respect. Such men occur among the farmers as well as elsewhere, and in some cases they maintain a veritable nuisance on their grounds in the form of insect infested plants from which adjoining lands became infested; such men should be compelled to look after their property to the extent of saving their neighbors, and legislation can help us to that point and no further. Of course, inspection of nurseries is a good thing in so far as it informs the nurseryman of the condition of his own affairs and he can make it, if he chooses, the basis of a guarantee to purchasers that his stock is clean. This will be of some tangible benefit to the purchaser if he is careful to deal with responsible firms, but as it is now, a certificate is a protection to a dishonest dealer since it gives him something to hide behind should his stock prove, later, to be either diseased or infested by insects.

It seems almost as if there was an epidemic of a new disease which may be called "certificatitis," sweeping through the country, and its most prominent symptom is a craving for a written formula which is expected to replace the necessity for personal care and examination.

It is admitted in the very latest expression from Mr. Alwood, who is one of the chief promoters of legislation, that a certificate may be dishonestly affixed to stock or that an inspection may fail to discover infestation if it is slight. As a matter of fact, certificated stock has been received in New Jersey from three states this past Winter infested by the scale.

In such cases certificates are a positive source of danger, since the purchasers are apt to rely upon them too implicitly and to assume that they are a guarantee which obviate the necessity for personal care and inspection. Whether florists will ever suffer from this pernicious scale is a question. The insect infests almost everything. Its normal food plants are perhaps the tree forms of the Rosaceae. But vines and shrubs, as roses, blackberry, raspberry and the like, are also infested, and roses particularly, are sources of danger.

ORCHIDS IN JADOO.

I send you this day the photo which represents three plants of a batch of 100 Cattleya Gigas which arrived late last fall from a friend of mine in South America. Half were potted in the usual way, with peat and moss; the other half I potted in "Jadoo." The two outside plants are those potted in "Jadoo," the center one being the one most advanced of the 50 that were potted in the old way. Think this as good an object lesson as could possibly be given.

Would state that a few grains of common sense will have to be exercised by those growing orchids in "Jadoo," as they will not stand overwatering. The method I have used is th's: For cattleyas, Laelias and the like, shake out all the fine particles, the same as when using peat, using only the most fibrous parts, adding about half the quantity of small nodules of charcoal. This makes the compost reasonably open, and the air gets at the roots to some extent. For cypripediums and such as are to be grown in pots, use the finer parts, making the compost somewhat more open with additional charcoal, and, if possible, water with the Jadoo liquid, diluted with rain water.

Experiments with other plants are just as satisfactory, notably with rubbers, fuchsias, gloxinias, and ferns.

The Cypripedium bellatulum album exhibited by me January 1, 1898, and awarded silver medal by Mass. Hort. Soc'y, was grown in "Jadoo;" also Cypripedium Lathamianum and the Cypripedium Wm. Wallace Lunt exhibited February 19 and 12 respectively, and each awarded first-class certificates by above society, were grown in "Jadoo."

In conclusion, would say that if horticulturists have brains and are willing to exercise them, by all means grow your plants in "Jadoo," but if you are going to grow plants on the hit or miss plan—let it alone.

WM. WALLACE LUNT.

Hingham, Mass.

CHICAGO.

Club Meeting.

The disease of Lilium Harrisii was the subject for discussion at the last meeting of the Florists' Club, and it was opened with a most interesting talk by Mr. E. Buettner, who brought with him for purpose of illustration quite a variety of diseased bulbs and a hand magnifying glass. As has been previously stated in these columns, Mr. Buettner believes the disease is wholly due to the little white mites found on diseased bulbs, and he showed bulbs that had been honeycombed by the little pests. Under the naked eye they look like small grains of white sand. Under the magnifying glass they are seen to be nearly round, and slow in movement, though they are blessed with six legs. Mr. Buettner has found the same mite on diseased bulbs of hyacinths, tulips, irises, Japan longiflorum and tuberoses. His experience with Harrisii has this year been more disastrous than ever and he estimates his loss from disease at about 60 per cent. He does not care to grow any more Harrisii unless he can be assured of unaffected bulbs. He believed the disfiguring of the foliage to be caused by the bites of the insects on the tender heart of the bulb before growth had started. He found that tight bulbs seemed less affected than those in which the scales were loose. The mites do their work mainly at the base of the bulb, and that is where decay starts.

In his opinion, the only way to eradicate the disease is to promptly destroy every affected bulb. He believes that if the Bermuda growers made a really earnest effort to that end they could yet preserve the lily growing industry, and that if they do not take some radical and effective steps at once their market for bulbs will dwindle to the zero mark with lightning-like rapidity. He is firmly convinced that Harrisii bulbs can be grown in this country, and spoke of a lot of bulbs he had a few years ago that had been grown in Louisiana. They were quite green in color and he had grave doubts about them, but they proved to be the most satisfactory lot of bulbs he ever had.

In speaking of the theory that the difficulty with the Bermuda Harrisii was due to exhaustion of the soil from lack of rotation in crops, he said that we were too prone to advance that excuse when mysterious troubles arose. He cited the case of growers of the sugar beet in Germany. Sections where the sugar beet had been successful for years suddenly met with almost complete failure and the trouble was considered due to lack of rotation in crops, but investigation showed that the real cause was a nematode similar to the eel-worm that now gives rose growers so much trouble. The soil was cleared by planting a crop of summer turnips, of which the nematodes were equally fond, and when the worms were in the turnips they were gathered and burned. After clearing the ground in this way the sugar beet was again cultivated as successfully as before.

He compared the careless methods of the Bermuda growers to the scrupulous care exercised by the Holland growers. There every bulb to be used for propagating from is rigidly examined before being so used, and any bulb found to be in any way affected by disease is promptly burned. While it is true that the Holland growers have found diseases that they cannot eradicate, they have kept them in check, and but for this care and watchfulness the bulb growing industry in that country would have been seriously threatened.



Orchids grown in Jadoo.

Another point noted by Mr. Buettner was that the smallest bulbs seemed to be most affected by the disease. On this account the larger sizes were the most economical under present conditions. It was suggested that lime might be useful in preventing the ravages of the insect, but that the only effective plan of campaign would be inspection of every bulb by the grower when replanting and the prompt destruction of any affected ones. He believed that the mites existed entirely in the bulbs and that destroying affected bulbs would clear the soil of the pests, though it would be safer to use new ground if possible. All bulbs that have brown spots on the scales are infested with the mite.

Mr. Buettner told some humorous stories of the days when Harrisii lilies were first received from Bermuda, and how they were sold as "everblooming lilies" that would bloom at least three times during a season.

He finds the Japanese longiflorum a great improvement over Harrisii for late forcing. In fact, he found them rather too early this year. Some intended for Easter were in bloom six weeks before that time, due, of course, to the unusual season.

Change of Hall.

The trustees reported that they had secured an option on a meeting place in Handel Hall building, 40 Randolph street, at much more advantageous rates than the present meeting place, but that it could be secured only for the first and third Fridays of the month. It appearing that Friday was as acceptable to the majority present as Thursday, the trustees were instructed to secure a lease of the proposed new quarters. Therefore, after May 1 the meetings will be held on the first and third Friday of each month at Handel Hall building, 40 Randolph street, fifth floor. Elevator runs till 11 p. m.

Next Meeting.

It will be "Private Gardeners' Night" at the next meeting of the club, to be held April 14, in the present quarters of the club. The private gardeners are expected to turn out in force on this occasion, and each one is invited to bring something of interest for exhibition.

The Market.

The market is steadier than last week and stock has been pretty well cleaned up in most lines. Lilies and good violets have gone better to a noticeable degree. The outlook for an unusually good trade at Easter is excellent. All the dealers feel convinced that it will be a record breaker. But it is thought that the supply will fairly equal the demand and that the only shortage will be in high grade lilies. Some fear a shortage in good carnations, while others feel sure the supply will be sufficient. Easter quotations appear in several advertisements in this issue.

Various Items.

John Mangel has shown his confidence in the future by taking a three-year lease of the elegant store at the northwest corner of State and Washington streets at a rental of $8,000 a year. And the large business done so far indicates that a big price for a choice location is a good investment.

A. Lange has a unique window at his new place, 51 Monroe street. It is a basement store, but as there happens to be no window at that point on the main floor his bulk window is allowed to rise six or seven feet above the sidewalk level. By a system of shelves he is enabled to make an unusually fine display, and there is always a crowd of people looking down into this cave of beauty. He has this large window closed in from the store on the inside and can keep the window so cool that his whole stock can be on display, while from the store a customer can step into the lower part of the window and make selection of flowers. The store proper is being very handsomely fitted up.

A. L. Randall's new wholesale store at 4 Washington street is a remarkably convenient one and he is having it fitted up in first-class style. It is more than double the size of his old store, the walls are nicely papered, there is elevator service, and his front windows face the public library. Two extra large ice boxes are being placed in position and the bench room provides an immense surface for laying out and handling stock. He does a large local trade and he has a unique arrangement whereby customers may inspect stock with comfort while the boxes are being opened. On top of and along the back of a wide bench 45 feet long is a smaller bench, upon which customers may be seated while observing the operation of opening up, and the one that speaks first gets the stock. A. L. feels that he is right in it with his new place, which is but a short distance east of Wabash avenue, the headquarters of the bulk of the wholesalers.

Ed. Winterson has added to his combination suit a blue shirt with white spots about the size of a quarter and as striking as moonflowers in a catalogue cut, also a pair of dark colored

glasses to protect his eyes from the moonflower display.

An art gallery is the latest addition to Reinberg Bros. High art, too, so high that the bookkeeper has to use a step ladder to make the entries in the combination.

Recent visitors: P. Vos, representing the Holland Bulb Co., Oegstgeest, Holland; C. L. Whitney, Traverse City, Mich.; H. Van Teylingen, representing Van Zanten & Co., Hillegom, Holland.

Mrs. A. H. Saxon wants to rent the greenhouses left her by her late husband. There are five houses, at Downer's Grove, an acre or so of land and a four-room cottage. This seems like an excellent opportunity for some young florist, as a very low rental will be made. Full information may be had by addressing Mrs. A. H. Saxon, Downer's Grove, Ill.

WASHINGTON.

S. A. F. Committee Meeting.

According to reports in the daily press, the executive committee of the S. A. F. met here on the 14th inst., and it was a very successful meeting.

The visitors were given a drive about the city and to the establishment of the American Rose Company, and on the return the party lunched at the Maltby. The party was then conducted through the new Library building and through the courtesy of Mr. Durfee visited the capitol and were admitted to the senate cloak room, where they were introduced to several senators and were also extended the courtesy of seats in the reserve gallery.

No correspondents were invited to any of the functions of the committee and the daily press is responsible for news of the meeting.

The florists feel slighted in not being invited to the meeting or receiving some recognition, but from the fact that a government official steered the party and planned the meeting it was evident that the florists were not wanted. The whole arrangement seems to have been in charge of this official. This official, I am informed, characterized the Washington florists as asses for their endeavor to stop the existing abuses of free distribution by the government, in which case the Baltimore, Philadelphia, Cleveland, St. Louis and other clubs, for their endorsement of our action, must be included.

The florists would have been only too glad to have postponed the banquet held by them the week previous and joined in to make the visitors doubly welcome had it been possible, but under the circumstances it was not permitted. The florists were not invited to the meeting, or to meet the gentlemen, but were kept in the dark as to the proceedings. But on the eve of the banquet they were approached and asked to help defray the expenses. While all were eager to show the visitors the usual courtesies, they could not consistently do it in that way. The menu cards gave the impression that the banquet was given under the auspices of the florists of Washington. There were but five present, and four of this five are not in sympathy with the movement against free distribution by the government. These were Wm. Gude, A. Gude, Wm. Clark, Benj. Durfee and J. H. Small, Jr. Others present were Hon. Jas. Wilson, Secretary of Agriculture; Wm. R. Smith, Superintendent of Botanical Gardens; Col. Ed. B. Hay, Rev. Dr. Thos. C. Easton, Adam Graham, Wm. J. Stewart, J. G. Esler, Elmer D. Smith, Geo. M. Kellogg, E. H. Cushman, W. W. Coles, E. M. Wood, W. K. Harris and Robert Kift.

In justice to Mr. Gude I might add that at the first of the agitation against the free distribution of flowers by the government he not only took an active part, but signed his name to the protest sent to the Secretary of War. The florists cannot see how the S. A. F. would be embarrassed by any action he might take as an individual in sympathizing, or even taking an active part in our cause. We also think that the florists should have been invited to send a delegate to state their grievance before the executive committee and let them take such action as they deemed proper. But with the official mentioned in charge of arrangements such would not have been proper from his point of view, to let the so-styled asses state their case. I trust the S. A. F. was intended for the benefit of the florists as a whole and not for a chosen few.

Trade Conditions.

Business has improved very much, potted stuff selling especially well. The extreme warm weather has started the people getting their gardens in shape and many have already bedded out plants that will succumb to the cool nights before Jack Frost has left us.

The large plate glass in the store window of Mr. J. Louis Loose was broken recently by an unruly horse backing the vehicle it was attached to into it.

The prospect for Easter stuff is encouraging; every one seems to be well stocked and only waiting for it to come. Easter lilies will not be so scarce this year as they were last and will be of much better quality. W. H. K.

BOSTON.

Mass. Hort. Society.

The spring exhibition of the Mass. Hort. Society, held last week and extending over four days, was a decided success. Among the many excellent things shown may be mentioned the beautifully grown cyclamens exhibited by Mr. Donald, gardener to J. S. Bailey, and Mr. John Barr, gardener to Mrs. Cheney. The competition between the two was very close. Mr. K. Finlayson, gardener to Dr. C. G. Weld, showed some extremely well grown specimens of Acacia Drummondii, A. pubescens and A. cultriformis in fine flower, also some well grown hyacinths, tulips and narcissus.

A very interesting exhibit by Mr. Cameron, superintendent of the Botanical Gardens at Cambridge, included Dendrobium nobile nobilius, and D. Fitchianum, the latter rarely seen in such good form. Mr. Thatcher, gardener to John L. Gardner, made his usual fine display of orchids, hyacinths, tulips, narcissi, etc., and his collection of polyanthuses and primroses was much admired.

Warren Ewell, of Dorchester, was again to the front with a large collection of finely grown bulbous plants, and he was the winner of many prizes. Mr. Peter Fisher, Ellis, Mass., exhibited his new carnation, Mrs. Thos. Lawson, and was awarded the society's silver medal. Mr. Patten, of Tewkesbury, was also a successful exhibitor.

The regular weekly lecture on Saturday was by Mr. Henry Lincoln Clapp, of the George Putnam School, Boston, on "The Native Ferns of New England." The lecture was illustrated by stereopticon views, which made it very interesting and instructive. At the close a unanimous vote of thanks was tendered the lecturer.

Various Notes.

Recent visitors: H. A. Siebrecht, New York; Mr. Fotheringham, representing F. R. Pierson Co., Tarrytown, N. Y.; A. Dimmock, representing Sander & Co.

We regret to have to report the serious illness of Mr. Fred Becker, Cambridge, with pneumonia. For a few days his life was despaired of, but he is reported to be now improving, and hopes are entertained of his recovery.

C. H. J.

A SUCCESSFUL WHOLESALE FIRM IN BOSTON.

It is about twenty years since Messrs. Welch Bros., proprietors of the City Hall Flower Market, Boston, began the wholesale business, and they may now be truthfully designated the pioneers in the wholesale business in New England. They have originated many important methods of simplifying the handling of the immense quantities of flowers that are shipped to them daily. It is well known that they were the first to introduce the grading of flowers as to quality, and by this means they not only gained better prices and gave better satisfaction to the customer, but were enabled to increase the returns to their growers. The results of this system were so satisfactory that it is now almost a universal custom in the trade.

It is also stated that they were the first to introduce the system of designating the consignments of each grower by letters, thus enabling them to trace the ownership readily and without question of doubt. There has never



City Hall Flower Market, 15 Province Street, 9 Chapman Place, Welch Bros., Proprietors, Boston, Mass.

The largest market for sale of flowers in New England.

been an error that could not be quickly traced and as quickly corrected. Accuracy in this work is vital and this system seems to meet all requirements. Something over a hundred growers, some of them the largest in New England, consign to this firm, and it is marvelous how the immense stocks find a market in so short a time.

Their commencement was made on Tremont street, near the Tremont theater, where they remained until the premises were too small for them to handle their largely increasing business, and about eight years ago they removed to more commodious premises, but as the business was rapidly increasing they again had to look for a larger store, and took the one they now occupy, where they have ample room. The refrigerator, which runs the entire length of the store from Chapman place to Province street, is a superb structure and a work of art, which was arranged and built under the personal supervision of Mr. P. Welch, the senior member of the firm. It takes ten to twelve tons of ice to fill it, and is said to be the largest ice box among the florists of the east. The Welch Bros. still report a largely increasing business, and there are times when, with all their immense and increasing consignments of flowers, their stock to supply their orders is short.

The brothers have merited their success by strict attention to business and rigid integrity, and these qualities can not fail to assure continued success. Mr. P. Welch, the senior partner, attends to general details, Mr. Ed. Welch has charge of the shipping department and Mr. David Welch looks after the finances, and the three brothers are always at their posts. C. H. J.

PHILADELPHIA.

Trade Review.

Plant business was decidedly lively last week and promises well for Easter. It will be a bad year for many growers of lilies, but for everything else prospects are bright. Large palms and ferns are in demand, many growers having received orders from the firms who do a large shipping business. One sale alone filled four large vans, chiefly with arecas.

The cut flower market is quiet, nevertheless a good deal of stock is sold at moderate prices. Brides have been in brisk demand. It seems a pity this rose does not sell a little better in mid-winter. When prices are high and flowers scarce the Bride is generally the hardest to sell.

A great many visitors have been in town during the past fortnight and an encouraging amount of stock has been ordered for shipment. It is said one grower could have sold all his flowering plants of certain varieties, but preferred to keep part for his regular customers.

I met my friend, Mrs. Harris, in Joseph Kift & Son's store last week. Now I am always especially glad to see Mrs. Harris, because she is not only bright and charming, but is exceptionally well posted floriculturally and her ideas are always interesting. After a few words about the lovely flowers, Mrs. Harris asked me if I would wait just an instant and walk down the street with her. I am not generally enthusiastic about walking with ladies in business hours, but Mrs. Harris is a special favorite, moreover she doesn't often ask me. After waiting the five minutes I was rewarded for my patience by being allowed to carry the box of flowers. No sooner had we gained Chestnut street than Mrs. Harris turned to me with rising color and asked me if I had read "that dreadful Philadelphia article in The Review?"

I answered weakly that I had not, but feeling a twinge of conscience added that I knew in a general sort of way what was in The Review. Mrs. Harris smiled at my confusion. "Oh, I don't mean anything that poor dear Mr. Farson or you wrote," she said, "but that unkind charge of hypocrisy against Mr. Wanamaker—'Holy John' indeed! Why, if it was not for Mr. Wanamaker we could not have afforded to buy lots of nice things last winter."

Notes.

S. S. Pennock is receiving some fine "Bird-in-Hand" carnations from E. J. Weaver. The variety resembles Helen Keller somewhat in coloring.

Quite a number of weddings are expected in Easter week.

One of our crack Beauty growers shortens his stems when the price is not sufficiently long.

Yellow daisies and single jonquils are much in evidence in the stores.

Some colored swainsona, pink and blue, sent over from New York, did not sell. The colors are not "lively" enough.

E. A. Seidewitz, Baltimore, Benjamin Durfee, Washington, Henry Seibrecht, New Rochelle, and J. L. Dillon, Bloomsburg, were in the city last week. J. W. Y.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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NEW YORK.

Among the Wholesalers.

Down! down!! down!!! That is where the prices have been going the last few weeks and it is hard to say at this writing when the down grade will stop. Not much before Easter, anyway, and if the quantity of stuff coming in now is any indication of the future, there will undoubtedly be no surpluses by the time Easter arrives.

The quantity of Beauties coming in now is phenomenally large, and accordingly prices phenomenally low, 20 cents apiece for fancy stock being the limit asked. It is a pity this commodity cannot be more evenly distributed over the season.

The top price for Maids and Brides is $6.00 to $8.00 per 100, when you can sell them, and $10.00 per 1,000 when you can't; that is, for a "straight slip" or "as they run;" "run of the mine," so to speak.

Meteors are way down, while Brunners reach top at 35 cents for the very best. It is a peculiar fact that "red goods" are slow stock at this season of the year, the opposite from Christmas.

The carnation market is fairly strong, the light supply and off crop tending, if anything, to "bear"—with prospects of a shortage at Easter, the recent mild weather contributing a good deal to this fact.

Violets sell in quantity at $1.00 per 1,000, while a few extra lots sell for 25 cents per hundred. Bulb stuff is selling below cost of production, and there is a glut in all lines, valley and Von Sions suffering most.

Cattleyas are getting very scarce and hard to pick up at fair prices. Taken as a whole, however, this commodity has fared very well during the winter. Smilax is still a good thing, while purple lilac sells poorly; white somewhat scarce.

Mr. John Raynor is optimistic of the future, and does not believe there will be any war, but in case the lumber market should be cornered he has laid in an extra supply of shipping boxes for the Easter trade.

Victor Zuber, of Flushing, L. I., the well known grower of hybrids, is sending some very fine Brunners to Mr. Thomas Young, Jr.

Ussing & Nelson are getting settled in their new store, 115 West Thirtieth street. They are, I believe, the last of the Forty-third street contingent to move into New York's "Covent Garden" district.

Mr. G. E. Bradshaw is receiving some excellent carnation Buttercups, besides some Connecticut violets, from Mr. A. Wuerz, of Darian.

N. Y. Florists' Ass'n.

At the special meeting of the New York Market Florists' Association there were about fifty members present. The principal business was the signing of applications for stands, and about forty-two responded. The following growers were elected: J. Bauman, Middle Village, L. I.; Chas. Trauth, Flatbush, L. I. On a motion it was decided to open the market March 28, at 4 a. m., and to continue the market as long as the weather and business permitted. The following members were appointed as executive committee: J. Birnie, E. J. Van Reyper, J. T. Schupp, T. Fieldhouse, W. Brennecke, with power to act on all important matters affecting the association. Mr. F. Lehnig, who has fully recovered from his recent illness, presided. The next regular meeting will be held April 12th, owing to Easter week.

Various Items.

Mr. J. M. Logan, late superintendent for Whitelaw Reid, will in future engage in the landscape business, with offices at White Plains and New York city. Mr. Logan is vice-president of the New York Florists' Club and well known in horticultural circles.

The National Florists' Board of Trade was recently incorporated, with the following officers: President, Alvan Thomas; vice-president, Charles D. McDougall; secretary and treasurer, Cornelius S. Loder. They will move into more commodious quarters at an early date, and say their membership has doubled since the first of the year.

Mr. A. J. Wadley, New Brunswick, N. J., was a recent visitor.

Brooklyn.

Rudolph Jahn, 492 Nostrand avenue, Brooklyn, I am sorry to state, has made an assignment for the benefit of his creditors. He carried on a retail business, and ascribes his failure to the dull times and slow collections.

ST. LOUIS.

March Business Good.

The March business has been very good. Everybody seems satisfied, and stock has not been overplentiful the last few days. The past week we have had lots of rain and one day a good snow storm, but not cold enough to do any harm. A few days of warm spring-like weather will make the shipping trade boom.

Easter Stock.

Easter stock is in good shape all along the line and should the weather turn warm there will be plenty of it on hand at all the growers. The flowers that come in now are not so good in quality as they have been, but in sufficient quantities to satisfy the buyers.

The fact that there will be an increased demand for Easter is proved by several large orders that have been placed already for Easter business. The wholesale men say that Easter prices will take effect about April 7.

Current Prices.

Prices on stock were as follows the past week: In roses, good first-class Brides, Maids, Meteors (very scarce) and Carnots, $6; seconds, $3 and $4; Woottons and Perles, $3; La France, $5. Beauties are still very scarce and the best are selling at $4 per dozen; short ones 60 cents and $1 per dozen. Carnations are very fine just now and the demand exceedingly good. The fancy kinds sell at $3 and the others from $1.50 to $2 per 100.

Bulb stock has been a drug for two weeks past, but slackened up somewhat at the end of the week. Harrisii have been in great demand, the price going up from $6 to $10. Callas are also in fair demand at $8. Romans and paper whites are scarce; Dutch hyacinths plentiful at $3 and $4 and a great many of them going to waste. Valley is very fine at $4. Tulips have been selling better but low, $2 being the price.

Violets have slackened up and only a very few are coming in. Californias are the only ones that sell well, 35 and 50 cents per 100 being the price. Sweet peas are not over plentiful, but those that come to this market are fine and sell at $1.50. Smilax and asparagus are in good demand, with supply a little short.

Notes.

M. M. Gaylord is in town representing Kraft's Plant Tonic Co., Rockford, Ill. Mr. Gaylord says the tonic will give new life to plants. It also destroys insects and scale.

Mr. Clamp, of Webster Grove, Mo., is cutting some very fine La France roses, the best seen in this market for a long time.

Henry Ostertag, of Ostertag Bros., reports that they furnished the McGrew-Lambert wedding last week, the largest of the season. Business has been good with this firm during Lent.

Riessen Floral Co. furnished the decorations at the opening of the new Columbia theatre last week. The work was a credit to the firm.

Gus Eggling, the South Grand avenue florist, reports a great deal of theatre work of late and business good during Lent.

C. Young & Sons Co. report heavy shipping orders for plants and seeds. This firm stands at the head in this line of business in this city.

The members of the Florists' Club should not forget that on Thursday, April 14, at 3 p. m., will be our annual Rose meeting, and President Halstedt requests that all members and all nonmembers in the trade should be present without fail.

Mr. C. C. Sanders, who should have read an essay on Nursery Stock at the last meeting, but prevented by business from being present, reports that he will be ready with the essay by the next meeting.

J. M. Gasser, of Cleveland, O., spent a day in St. Louis, on his way home from Mexico.

Mr. and Mrs. Frank Fillmore, Sr., will celebrate their golden wedding on Friday night, April 1, at the home of their son, Frank Fillmore, 4232 Nebraska avenue.

Of Interest to Bowlers.

The Bowling Club had a good attendance on Monday night, and some great scores were made. The high man of the evening was Carl Beyer; in the three games rolled he made 633; Beneke, second, with 573, and Schray, third, with 561. The high single score was by Beyer, with 266; Kuehn, second, with 228, and Schray third, with 200. This ended the March series of twelve games. J. J. Beneke wins the average medal with 2,077; Kuehn, second, with 2,068. High single score goes to E. Schray with 268; C. Beyer, second, with 266, and Kuehn, third, with 228. Next Monday night the new series begins. All are welcome. J. J. B.

BOSTON.

Old Sol accompanied by zephyrs of spring is playing the dickens with stocks of some of those growers who are ahead of the game, but others who are right in it defy his beams. Among the fortunate ones are Wm. A. Bock who has two houses of longiflorums in capital shape and almost all engaged.

Wm. W. Edgar is the possessor of a really fine stock of longiflorums, azaleas, rhododendrons and cytisus all engaged; a capitally grown lot which not to sell would be a reflection upon the public taste.

I noted some grand specimens of Acacia paradoxa which is rather paradoxical to Dan Murphy, the successful grower for W. E. Doyle, who is asking himself why the bloom drops so easily this year but if he is off on this he is right in it with the grandest lot of hydrangeas to feast one's eyes upon. The foliage is of that leathery firmness which betokens a hardy, well grown plant. These are in a house fitted with side ventilation (as well as above of course) in the pink of condition. Azaleas and lilies are in splendid shape. I noted a stock of more than one thousand hydrangeas in frames soon to be brought in. These are used largely for boxes, etc., at the seaside resorts principally.

Fred. C. Becker has sold clean out of azaleas. He did not carry any late flowering varieties. Could easily sell a duplicate of those well grown pretty plants he had at Christmas. He has a capital batch of lilies and Nephrolepis

(Continued Page 744.)

WANT ADVERTISEMENTS.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By a gardener; German, 31 years old; married; 16 years' experience in flowers, fruits, vegetables. care of pleasure grounds, hothouses, and landscape gardening; position in private park, cemetery, or gentleman's place in city or country; best of recommendations. Address A. Daum, 187 E. Chicago avenue, Chicago, Ill.

SITUATION WANTED—By a florist and gardener; single; 15 years' experience; who can grow carnations, mums, violets, roses. etc.; also vegetables under glass; best of reference. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Where first-class stock is grown; best of references from past and present employers; age 24. State wages, etc. W. D., care of W. W. Cole, Maple Hill Rose Farm, Kokomo, Ind.

SITUATION WANTED—As foreman or grower on commercial place, unquestionble ability in all branches. Reliable, industrious and capable of assuming entire charge. R. G., care of Florists' Review.

WANTED—Florist, immediately; wages $15 per month, board and washing; general work. L. Cottle, 622 64th av., Oak Park, Ill.

TO RENT—Five greenhouses, and material enough to build another; 3,600 feet of glass, well stocked, an acre or so of land, and four-room cottage- Will rent to a desirable party as low as $25 a month. A splendid opportunity. To rent on account of death of Mr. Saxon. Address Mrs. A. H. Saxon, Downer's Grove, Ill.

WANTED—Capable man to take charge of a retail florist's store in Chicago. Must thoroughly understand making up. Address D. J., care Florists' Review.

SITUATION WANTED—By practical florist with 15 years' experience in growing cut flowers. Specialist in roses. State wages paid. Address F. Campbell, 355 Ellicott Square, Buffalo, N. Y.

SITUATION WANTED— First-class cut-flower grower; 12 years' experience; single; 28 years; extra good rose grower; best of reference; wish employment at once. Address, stating wages, T. E. Gleason, 95 E. 26th St., Chicago, Ill.

FOR SALE: 1 dwelling house, 2 greenhouses, 17 x 150 newly built: well located and good home trade, on st. car line and near a city of 300,000 population. For particulars address P. O., care Florists' Review.

SITUATION WANTED—By married man, as rose grower or foreman: good grower of cut flowers and general greenhouse plants; first-class references; state wages. R. W., care of Florists' Review.

SITUATION WANTED—By a first-class all round florist; good grower of roses, carnations, violets, and mums, general stock, etc.; 16 years' experience. F. S., Florists' Review.

SITUATION WANTED—As foreman by an up to date rose and cut flower grower; good manager and hustler and can furnish best of references as to ability to fill a first-class position. Am open for an engagement at any time desired. Give full particulars when writing. Grower, care Florists' Review.

A FIRST-CLASS MAN is now open to engagement; fully competent in every respect; expert grower of both plants and cut flowers; wants an opportunity to better himself; no object to change unless there is an opportunity for him to show his abilities on a scale that will make his services worth at least $75 a month. Address S. D., care Florists' Review, Chicago.

SITUATION WANTED—By a first-class grower of roses, carnations, violets, etc.; 12 years' experience and can furnish best of references. Address Practical care Florists' Review.

SITUATION WANTED—By experienced gardener: single, 25; in private place; understands care of greenhouses, fruits, everything in general; best of references; California preferred. Address P. Hanson, box 251, Mamaroneck, N. Y.

WANTED—Young florist for store and greenhouses. H. F. Halle, 548 W. Madison st., Chicago.

SITUATION WANTED- By practical, up to date florist and gardener; private or commercial place, eastern and western experience; first-class references from well known parties. Address A. M., care Florists Review.

WANTED—Two century plants; (Agave) variegated; about 2 feet in height; state price wanted; must be nice plants. Leo Wellenreiter, Danvers, Ill.

FOR SALE, RENT OR EXCHANGE—Well stocked greenhouse plant; 6,000 sq. feet of glass; bargain; terms to suit on account of owner's poor health. W. X., care Florists' Review.

SITUATION WANTED—By A1 grower of roses and other cut flowers and plants, as working foreman; has held similar positions in Chicago; best of references; disengaged April 1. Address E. C., care Florists' Review.

SITUATION WANTED- By man of ability in all branches of business. Add. E. C., Florists' Review.

SITUATION WANTED—By a first-class florist; single, German. 36 years of age, with 20 years' experience in growing roses, carnations and general stock; can furnish best of references. H. C., care of Florists' Review.

FOR SALE.

Established florist business and greenhouses. Fine stock of all plants and roses and carnations. Everything in first-class condition. City water, steam heat, etc. Pleasure and health resort of 5,000 people in Indiana. No competition. A big bargain for some one if taken at once. One-third cash, balance to suit purchaser. Speak quick. Address MEXICO, care Florists' Review.

For Sale. A Bargain.

Six Greenhouses, well stocked, nearly new, together with two fine dwelling houses, barns and 35 acres of land, consisting of all kinds of soil. Six miles from Milwaukee. All buildings nearly new. Nearly $7000 insurance carried. The land alone is worth the price asked. Reason for selling, failing health. Address or call

H. STAEPS, ELM GROVE, Wis.

Bostoniensis of which he has about six houses planted for later sales.

F. L. Foster has a big stock of the Boston fern which is as much in favor as ever.

Warren Ewell is usually approachable but has no time just now for interviewers. The enormous quantities of bulbous stock demand his close attention and 'tis going well judging by his complacent smile. "Just tell them that you saw them" and how they look. I think there will be enough to go around.

James Quinn must be included among the bulb growers. He forces a large number for his own retail trade. With a record of not yet having wasted a flower, and prospects of a splendid lot for Easter, he is well pleased with the situation.

F. E. Palmer has a strike with an all-round well-grown Easter stock and a heavy rose crop in view.

I met Mr. Nicholson, from near-by Framingham. He tells me he will have a heavy cut of carnations at Easter. His stock needs no introduction here.

Miss Vass maintains the excellent reputation of her establishment. She has a well-grown stock, which we expect to see depleted around and about the 10th.

Alex Montgomery will cut enormous cuts of roses from the Waban houses. Other growers will also be in excellent trim, so that there will be no lack of supply.

The stores already have an Easter appearance. Galvin's is ornate with conservatory filled with the choicest stock. Doyle's windows are very attractive, a handsome specimen of Cibotium Schiedei standing in center; its far-reaching, most graceful fronds, spreading over the flowers arranged beneath, have a charming effect. Houghton & Clark, Delay and Grimmer vie with each other in producing effect. Norton Bros. make an attractive display. Jas. Rough and C. R. Dane are right in line at their uptown stores.

At the Public Gardens, Mr. Doogue will give an Easter display, which should help boom the business. Among the small (?) items for use in adorning the gardens this season are 25,000 hydrangeas and 15,000 hybrid roses.

W. M.

CALIFORIA VIOLETS,

Rooted Runners, 50c per 100.

CLEAN STOCK.

L. E. HITZ, Madison, Ind.

Catalogue for 1898 mailed free on application.

HIGH GRADE SEEDS. **Fertilizers and Agricultural Implements.**

Carry a full line of implement repairs. Get our prices before buying.

THOS. J. GREY & CO.,
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Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

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is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

Write for Circulars or Estimates.

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LOCKLAND, OHIO.

TO CABBAGE GROWERS. THE BEST IN THE WORLD.

VAN NAMEN'S EXCELSIOR WHITE CABBAGE.

Late, large round, solid heads, weighing from 12 up to 25 lbs. EXCELLENT KEEPER. DOES NOT ROT. Price, postage paid, per ounce 25c; ¼ lb. 75c; pound $2.00. Cash with order.

THE BOSTON MARKET GARDENERS SUPPLIED THEREWITH.

C. H. JOOSTEN, Importer, - 193 Greenwich St., New York.

TRADE  MARK

We beg to inform our customers that we have removed to

No. 11 Broadway, Bowling Green Building.

Write for quotations on

JAPANESE BULBS, PLANTS AND SEEDS, for Fall Delivery.

SUZUKI & IIDA,

No. 11 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

Lettuce and other **Vegetable Plants**

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Pepper and Egg Plants 25c. per 100 $2 per 1000

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

APRIL OFFER.

	Per 100
Alternantheras A. Nana $1.75 P. Major	$2.00
Begonias 5 Var—Vernon	2.50
Coleus Asst. and Centaurea Gymnocarpa.	2.00
Geraniums, 16 Var., 2½ pots, $2.50; 3 in.	3.75
Geraniums, 4 in. pt. and Marguerites (P. Daisy)	5.00
Pansy plants from cold frames and Smilax	1.00

Cash please.

JOS. H. CUNNINGHAM, Delaware, O.

EVERY FLORIST OUGHT TO

INSURE HIS GLASS AGAINST



FOR PARTICULARS ADDRESS

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

NIKOTEEN

IT COSTS 4 CENTS FOR EACH 600 FEET OF FLOOR SPACE

DOES NOT INJURE THE MOST SENSITIVE PLANTS - ENDORSED BY PROMINENT FLORISTS - USED FOR FUMIGATION OR SPRAYING INDOORS OR OUT - 200 LBS OF TOBACCO IN ONE PINT OF NIKOTEEN SOLD BY SEEDSMEN - CIRCULAR FREE - SKABCURA DIP CO. CHICAGO.

Kill the Bugs! AND SAVE THE BLOOMS

QUICKLY DOES IT.

50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums**, from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

Easter Flowers

BUY YOUR FLOWERS DIRECT FROM THE GROWER.

Bassett & Washburn

We have the following grown especially for the EASTER TRADE.

Wholesale Growers of and Dealers in Cut Flowers.....

HARRISII LILIES

25,000 of the finest Harrisii Lilies, grown from 7 to 9 bulbs. We pack these in boxes made for the purpose, holding 100 Lilies each, and of such size that their full length of stem is had. These lilies are all carefully chilled before being shipped, and we guarantee their safe arrival. Price, $12 per 100.

AMERICAN BEAUTIES

Our Beauties were never in better shape and are coming in crop with the finest flowers ever placed on the market. We have 50,000 plants to cut flowers from.

TEA ROSES

A large stock, such as Brides, Bridesmaids, Meteors and Perles, all of our own growing.

CARNATIONS

A limited quantity of Fancies, such as Jubilee, Mrs. Bradt Flora Hill, Triumph and extra fine Daybreak. Also, a few good common sorts.

LILY OF THE VALLEY

We offer 15,000 of the finest selected cold-storage Valley. Heavy dark green foliage and large flower spikes. Price, $3 per 100.

TULIPS

Consisting of La Reine, Yellow Prince, Cardinal, Murillo, Kaiserskroon, etc. $4 per 100.

DAFFODILS

Double Von Sion. 10,000 fine large flowers. Price, $2 to $3 per 100.

ASPARAGUS

3,000 very fine, long strings. Price, 30c each.

SMILAX

Is scarce, and $2.50 to $3 per dozen. We shall have a limited quantity.

Our flowers are all carefully chilled before shipping. We have the finest ice house in the west Write us for our price list, which we issue every week, giving current prices of our goods

ROOTED CUTTINGS.

We are booking orders now for the following Rose and Carnation Cuttings to be filled in rotation. We guarantee all cuttings to be in first-class condition in every respect, and will be delivered as you want them. Send in your orders now.

...ROSES...

Brides
Bridesmaids
Meteors

$1.50 Per 100

Do not write for other kinds for we do not grow them.

We shall have abundance of nice Plants later in the season.

...CARNATIONS...

	Per 100	Per 1000
Triumph	$3.00	$25.00
Daybreak	1.50	12.50
Wm. Scott	1.00	7.50
Harrison's White	2.00	
Minnie Cook	1.50	12.50
Rose Queen	1.50	12.50

Bassett & Washburn,

Greenhouses and Residence
HINSDALE, ILL,
Long Distance 'Phone No. 10.

Store...88 Wabash Ave., Chicago, Ill.
Long Distance 'Phone Main 223.

RUSSIAN VALLEY

AND ALL OTHER FALL BULBS

STUMPP & WALTER CO.'S

High Grade Seeds and Bulbs.

Write Right Now.....

It will pay you to write for prices on BERMUDA, FRENCH, HOLLAND, JAPAN, CHINESE and other bulbs before placing your orders elsewhere.

50 Barclay Street, New York City.

GRAND RAPIDS, MICH.

Supply and Demand.

There has been lately as many changes in the weather as colors in Joseph's coat; first cold, then hot, then wet, then the combination, with a sickly attempt on the part of Old Sol to smile approval on all. The push cart and peddler wagon, sure harbingers of spring, once more make their customary rounds with spring bulbs, callas and flowering plants, at prices that make the store man groan.

The demand is still in excess of the supply, and as yet there has been no lull in business. Indications of Lent show this to be the busiest Lent ever known. Flowering plants in pots are now beginning to move lively; everyone seems to want something in flower for the window.

Notes.

Henry Smith has rented a store on the corner of Monroe and North Division, which he is remodeling and fitting up in first-class style. Henry will now have the finest store in town, with a total frontage of forty feet, and it will make the rest of the stores hustle to keep their pace.

Mr. B. B. Blair, late with T. R. Renwick & Co., has accepted a position with F. J. Meech, of Charlevoix, Mich., and Frank Burckie, of Chicago, takes Mr. Blair's place at Renwick's.

H. D. Bayers, with the Dayton Paper Novelty Co., was in town the past week, boxing orders, of course.

A large dry goods store gave away 500 roses to its customers the latter part of the week, and more are expected to follow the good example set.

The contract for the cemetery bedding has been awarded to Crabb & Hunter; geraniums at $6 per 100; the alternanthera lettering at $1.75 per letter. Paul Goebel & Son get two geranium beds, same rate.

GEO. F. CRABB.

Always Mention the....
Florists' Review
When Writing Advertisers.

New Commercial White Carnation GENESEE

A Carnation for everybody, because anybody can grow it. $10.00 per 100.

Detailed Priced Circular Free.

DAN'L B. LONG, Sales Agent, - BUFFALO.

FOR THE EASTER SEASON.

Azalea Indica, well set with buds, 40c, 60c, 75c, $1.00 each.
Larger Plants, prices accordingly.
All fine Plants.
Spiraea Japonica, 25c each.
Hydrangeas, well set with blooms, 75c, $1.00, $1.50 each.
Lilies (Harrisii), **Tulips, Hyacinths,** at low prices.

Exceedingly fine lot of PALMS.

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch $1.00 each. **Latania Borbonica**—4-inch, 20c, $16 per 100; 5-inch, 40c; 6-inch, 75c and $1.00; 7-inch, $1.75 each. **Phoenix**—5-inch. 40c; 6-inch, 75c each. **Kentia Belmoreana**—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each. **Kentia Forsteriana**—4-inch, 35c; 5-inch, 50c; 6-inch, $1.00 each. **Cocos Weddeliana**—3-inch, $20 per 100; 4-inch, $50 per 100. **Araucarias**—60c, $1.00, $2.00 and up.

Fine specimen plants of the above in larger sizes at low prices. Cash or satisfactory reference.
Special prices on Bedding Stuff.

JOHN BADER, - . Allegheny City, Pa.

Long Distance 'Phone 872.

Clucas & Boddington Co.

SEEDS, BULBS AND PLANTS

501-503 W. 13th Street
New York City.

Tel. Call 403 18th St.

1897 SEEDS 1897

Mammoth Verbena Seeds only ..... $1 00 per oz.
Aster Seeds only ..... 1 00 " "
Pansy Seeds " ..... 1 00 " "

The Morris Floral Co.,
MORRIS, ILL.

Always mention the Florists' Review when writing advertisers.

Seed Stores and.....
Flower Stores

Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.

The WALKER FERTILIZER CO.
Clifton Springs, N. Y.

N. DAMES,
OF THE FIRM
VANDERHORST & DAMES,
BULB GROWERS,
LISSE-HEEMSTEDE, - HOLLAND,

is on his round-trip [illegible] America. To save time please address all letters up to May 15th,
Care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York.

Give us list of your wants and we will send you our best quotations. Our specialties are:

Double Von Sion, Hyacinths and Tulips.

Surplus Stock Cheap.

500 Hydrangea Paniculata 4 years old, strong and stocky at $10.00 per 100. 500 Cannas Austria, strong from 4 in. pots, $10.00 per 100; 500 Coleus Verschaffeltii, strong stock plants from 2½ in. pots at $4.00 per 100.

EVENDEN BROS.
Williamsport, Pa.

Easter Cut-Flower Price List

Takes effect WEDNESDAY, April 6th, 1898.

We are Headquarters for High-Grade Stock.

Vaughan, McKellar & Winterson,

Wholesale Florists.

We handle strictly high grade stock. Following prices are for such stock, all inferior stock billed accordingly. We always ship first grade goods unless otherwise ordered:

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

ROSES.

	Per Hundred
American Beauties, seleet	$40.00 to $50.00
American Beauties, medium	20.00 to 30.00
American Beauties, short	10.00 to 15.00
Meteors	6.00 to 8.00
Maids	6.00 to 8.00
Brides	6.00 to 8.00
Perles	5.00 to 6.00
Testout	.... 10.00
Roses, our selection	5.00 to 6.00

CARNATIONS.

White	3.00 to 4.00
Colored	2.50 to 3.00
Select	4.00 to 5.00
Extra Select Fancies	5.00 to 6.00
Mixed, our selection	.... 2.50

MISCELLANEOUS STOCK.

	Per Hundred
Harrisii, Extra Select	$..... $15.00
Harrisii, Select	..... 12.50
Harrisii, Ordinary	..... 10.00
Callas, Extra Select	..... 12.50
Callas, Select	..... 10.00
Callas, Ordinary	..... 8.00
Freesia	2.00 to 3.00
Lilac Sprays	8.00 to 15.00
Tulips	2.00 to 4.00
Daffodils	2.00 to 4.00
Jonquils	1.00 to 2.00
Narcissus Poets, P. W	2.00 to 3.00
Dutch Hyacinths	5.00 to 8.00
Roman Hyacinths	2.00 to 3.00
Valley	2.00 to 4.00
Violets	.75 to 1.00
Pansies	.50 to .75
Marguerites	.50 to 1.00
Mignonette	1.00 to 2.00
Mignonette, Fancy	4.00 to 6.00
Myosotis	.50 to 1.00

GREENS.

	Per Hundred
Asparagus	$40.00 to $50.00
Smilax (scarce)	15.00 to 20.00
Adiantum	.75 to 1.00
Common Fancy Ferns, per M	2.50 to .25
Galax Leaves, per M	1.50 to .20
Sabal Palm Leaves	3.00 to 5.00
Wild Smilax, per case	
Parlor Brand	3.75
Medium	5.50
Large	8.00

J. Manz & Co. Chicago

TELEPHONE - MAIN 1129.

CUT FLOWERS, FLORISTS SUPPLIES, BULBS, PLANTS, SEEDS, ETC.

45-47-49 WABASH AVE

CHICAGO.

We will have a limited stock to offer in good pot plants of Harrisii, Callas, Hyacinths, Tulips, Cyclamen, Azaleas, Daffodils, Paeonies, Baroness Rothschild Roses, and miscellaneous stock, at reasonable prices. Get all orders for Easter in early as possible to insure best stock.

NEW YORK MARKET.

Week Ending March 26th, 1898.

Am. Beauty, fancy, extra, long stem, each	10c to 25c
Am. Beauty, extra, each	6c to 8c
Am. Beauty, culls and ordinary, per 100	.50 to 4.00
Brides, 1st, per 100	2.00 to 4.00
Brides, 2d, per 100	.75 to 1.50
Bridesmaids, 1st, per 100	2.00 to 4.00
Bridesmaids, 2d, per 100	.75 to 1.50
Brunners, 1st, per 100	10.00 to 35.00
Brunners, 2nd, per 100	
Meteors, 1st, per 100	2.00 to 4.00
Meteors, 2d, per 100	.50 to 1.00
Testouts, 1st, per 100	2.00 to 4.00
Testouts, 2d, per 100	.50 to 1.50
Morgans, 1st, per 100	2.00 to 3.00
Morgans, 2d, per 100	.50 to 1.00
Cusins, 1st, per 100	2.00 to 3.00
Cusins, 2d, per 100	.50 to 1.00
Perles, per 100	.50 to 2.00
Carnations, per 100	.75 to 1.50
Carnations, fancy, per 100	2.00 to 3.00
Valley, per 100	.50 to 1.50
Roman Hyacinths, per 100	.75 to 1.50
Harrisii, per 100	3.00 to 5.00
Violets, per 100	.10 to .30
Paper white Narcissus, per 100	2.00
Cattleyas, per 100	25.00 to 35.00
Cypripediums, per 100	8.00 to 10.00
Tulips, per 100	1.50 to 2.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	10.00 to 16.50
Asparagus, per 100	50.00
Purple Lilac	50c to 75c per bunch
White Lilac	1.00 per bunch
Mignonette, fancy	2.00 to 4.00
ordinary	10c to 25c per bunch
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.75 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

HUNT'S REVIEW OF THE CHICAGO MARKET.

Things generally have brightened and buying, both local and country, has been fairly active, with some few heavy orders on at fair prices.

Receipts shortened somewhat, bulbous stock perceptibly decreasing. Valley very scarce, as is Harrisii of good quality.

Smilax in great demand, with but limited supply.

Carnations coming good quality, but still somewhat shy in quantity.

Roses of all sorts good. Advance orders and inquiries indicate a healthy feeling and a hopeful tone.

Easter trade is predicted to break all existing records for past six years. The scarcity is guessed to be on carnations, with Harrisii a doubtful quantity.

CORRECTION.

The item in our notes from Grand Rapids, Mich., in last issue, to the effect that Chas. Bowditch is now traveling for Henry A. Dreer, of Philadelphia, was an error.

J. M. LOGAN,

Landscape Architect and Gardener

Plans furnished and estimates given.

White Plains, N. Y., and
114 Chambers St., New York City.

ROOTED CUTTINGS OF CARNATIONS:

New—Mayor Pingree, Victor and Flora Hill per 100, $5.00; per 1000, $40.00. Jubilee and Emma Wocher, per 100, $3.00; per 1000, $25.00. Meteor and Tidal Wave, per 100, $2.00; per 1000, $15.00. Scott, Daybreak, Albertini, Alaska and Puritan, per 100, $1.50; per 1000, $12.00. All well rooted. Satisfaction guaranteed or money refunded.

Geo. A. Rackham, 880 Van Dyke Av., Detroit, Mich.
Wholesale grower of Carnations and Small Ferns.

JOHN I. RAYNOR

FIRST-CLASS **Flowers**

IN ANY VARIETY AND QUANTITY.

Prompt attention to Shipping Orders.

49 West 28th Street, NEW YORK.

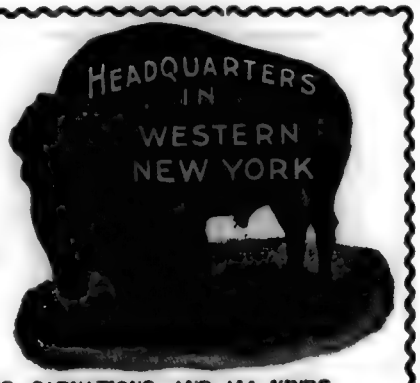
SAMUEL S. PENNOCK
Wholesale Florist
1612-14-16 Ludlow St.
PHILADELPHIA, PA.

CUT ORCHIDS OUR SPECIALTY.....

We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.

MacDONALD & McMANUS, WHOLESALE FLORISTS,
50 WEST 30TH STREET, NEW YORK.

GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

MEET US AT THE OLD STAND
ALWAYS OPEN

Millang & Co.

Wholesale Commission Florists,
48 W. 29th Street, NEW YORK.
Between Broadway and Sixth Avenue

LITTLE BEAUTY--Fine Strong Fuchsia plants, 60c per dozen, **$5.00** a 100.
White and Yellow, $2.50 a 100.
LANTANAS. Trailing Lantana, the finest thing out for baskets and vases, **$3.00** a 100.
A. J. BALDWIN, Newark, Ohio.

WM. J. BAKER,
WHOLESALE CUT FLOWERS,
1432 S. Penn. Square, PHILADELPHIA, PA.
Original Headquarters for CARNATIONS.

EDWARD REID,
WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

IT'S A MISTAKE
TO THINK
"ANY OLD THING"
will answer for a Refrigerator to keep flowers in. Those up to date are made by the
Chocolate Cooler Co., Grand Rapids, Mich.
SEND FOR CATALOGUE.



FOR EASTER

OUR STOCK will be found complete and of good quality. Prices charged will be market rates. Satisfactory service and packing guaranteed.

76-78 Wabash Ave., CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking Effect Mar. 31, 1898.

SUBJECT TO CHANGE WITHOUT NOTICE.

We are headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary, ordinary Stock	per 100,	$1.25—
Extra	"	1.50—2.00
ROSES.		
Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	3.00—
Maids	"	3.00—
Meteor	"	3.00—
Perles	"	2.00—
GREENS.		
Asparagus	per string,	60.—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—
Smilax extra heavy, per doz.		2.00—
Galax	per 100, 20c., per 1000,	1.50—
Leucothoe Sprays	per 100,	.75—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
MISCELLANEOUS.		
Marguerites	per 100,	.50—
Mignonette	per 100,	1.00—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans, Valley	per 100,	2.00—3.00
Paper White Narcissus	"	2.00—
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Freesia (extra select)		2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies, per 100		.50—

Fresh stock always on hand.

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves.
Station X. **Chicago.**

1878 **1898**

New PRICE LIST for SPRING and SUMMER. If you have not received it, send postal; will mail you list and beautifully illustrated Descriptive Catalogue.

Horticultural imports and exports from Europe, China, Japan, Australia, Mexico, etc.

Address, **H. H. BERGER & CO.**
Established 1878. **220 Broadway, New York.**

FERNS

In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

CHAS. T. DARLING,
Stony Brook, L. I., N. Y.

30,000 DAHLIAS.

Before ordering your Dahlia Stock, be sure and send for my Catalogue.



The leading Dahlias of the world, **$5.00** to **$7.00** per 100 for large field grown roots.

Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist,
BOX 382, DENVER, COLO.

CHRYSANTHEMUMS.

STOCK PLANTS FROM BENCH.

Henderson, Montmort, Ivory, Bonnaffon, J. Jones, Wanamaker, Perrin, Queen, etc., all $3.00 per 1.00; 50c per doz. A fine collection Ostrich Plumes, $1.00 per doz.; $5.00 per 100. Order now. Cash please.

CHAS. L. MARSHALL,
67 Merrimac St., - - Lowell, Mass.

GERANIUMS

That will please you and prices that will suit you.

S. A. Nutt, La Favorite, Heteranthe, $2.50 per 100; $20 per 1000; Beaute Poitevine, Mary Hill, $3 per 100; Mme. Bruant, Frances Perkins, $5 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

SMALL GREEN **Galax**

For use with Violets. Stiff wiry Stems. Work up beautifully. Are all the rage

Box of 5000, $5.00
Less quantity at $1.25 per 1000

Address
HARLAN P. KELSEY
1150 Tremont Bldg., Boston, Mass.

NATHAN SMITH & SON,

WHOLESALE FLORISTS

SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

...ROSES...

3000 Beauties, 2½	5c
500 Meteors, 2½	3c
500 Meteors, 3	5c
1000 Golden Gate, 3	4c
1000 Maman Cochet, 3	5c
500 White Maman Cochet, 3	10c

J. LOUIS LOOSE, Washington, D. C.

Always mention the Florists' Review when writing advertisers.

EASTER PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

P. AND D. AT COST	PRICE PER HUNDRED
Meteors, extra select	$ 5.00 to $ 7.00
Maids and Brides, extra select	5.00 to 7.00
Meteors, Maids and Brides, good average	4.00 to 6.00
Perles, extra select	4.00 to 6.00
Roses, (our selection)	.... 4.00
Harrisii	8.00 to 15.00
Callas	8.00 to 12.50
Valley, the best	3.00 to 4.00
Violets	.75 to 1.00
Marguerites (white)	.50 to .60
Marguerites (yellow)	.... 1.00

All Flowers in Season at lowest market rates.

Store open until 6:30 P. M. week days, until Noon Sundays and Holidays.

We always ship extra select or high grade goods unless otherwise ordered.



Long D

Harrisii in great numbers. (At prices to suit all.)

Tulips (Single) All colors.

Small and Large Orders Booked on all **Bulb Stock**

Harrisii to supply all.

Our Specialties For Easter Trade

Harris

Tulips,

Daffod

And Extra Cho

Tulips (Double) very fine.

Lady Campbell Violets

(Extra quality and any quantity.) and all others.

Tulips Klehm's Beautiful Novelty. (Light Pink. Try it.)

This Year's Customers Must Be Ours Next Year

The Values W

TT BROS. CO

Wholesale Cut Flowers

And Florists' Supplies

88 Wabash Avenue, Chicago, Ill.

stance Telephone
Express 466

....Rooms 22 and 23

EASTER PRICE LIST

SUBJECT TO CHANGE WITHOUT NOTICE.

P. AND D. AT COST.	PRICE PER HUNDRED
Carnations, extra select	$ 3.00 to $ 4.00
Carnations, white	4.00 to 5.00
Carnations, good average	2.00 to 4.00
Tulips, single, all colors	3.00 to 4.00
Tulips, double	3.00 to 5.00
Tulips, Kiehm's Novelty (light pink)	3.00 to 4.00
Daffodils	2.00 to 4.00
Narcissus	1.00 to 2.00
Adiantum (scarce)	.... 1.00
Smilax (very scarce)	15.00 to 20.00
Asparagus, per string	.50 to .65
Galax, per thousand	$1.50 .20
Common Ferns, per thousand	2.00 .25

(Common Ferns 500 at 1000 rate.)

JOBBERS IN ALL KINDS OF DESIRABLE **Florists' Supplies**

Prices given are for good stock. Specially selected and inferior quality will be charged according to value.

Harrisii for everybody.

Carnations We are headquarters. (We control more Carnations than any house in the country.)

ii, Callas,
Valley,
ils, Violets
e Bulb Stock of All Kinds.

Special line of **Bulb Stock** Get Order in Early

Carnation Rooted Cuttings. ALL KINDS. Order of us.

BOOK ORDERS EARLY as they are filled in rotation.

Valley of the very best.

Tulips extra fine white for all.

Small and Large Orders booked on **Harrisii and Bulb Stock**

Let us have Your Orders. We will fill them.

e Give Are Our Best Advertisements

REINBERG BROS.

WHOLESALE GROWERS OF

Cut Flowers

600,000 Feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. **We are Headquarters for Fine American Beauties.** Give us a trial and convince yourself.

Rooted Rose Cuttings

Plants and cuttings sent by express at plant rates (30 per cent less than merchandise rates).

	Per 100	Per 1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
PERLE	1.50	12.50
METEOR	1.50	12.50
KAISERIN	1.50	12.50
BELLE SIEBRECHT	1.50	12.50

...ROSE PLANTS...

Out of 2½-inch pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	3.00	25.00
Perle	3.00	25.00
Bride	2.50	22.50
Bridesmaid	2.50	22.50
La France	2.50	22.50
Kaiserin	2.50	22.50
Belle Siebrecht	2.50	22.50

...ROOTED CARNATION CUTTINGS...

	Per 100	Per 1000		Per 100	Per 1000
JUBILEE	$2.00	$15.00	Daybreak	$1.50	$12.50
Wm. Scott	1.00	7.50	Emma Wocher	1.50	12.50
Nancy Hanks	1.00	7.50	Meteor	1.50	12.50
Tidal Wave	1.00	7.50	Lizzie Gilbert	1.50	12.50
Portia	1.00	7.50	Harrison's White	1.50	12.50
Lizzie McGowan	1.00	7.50	Bridesmaid	1.50	12.50
Goldfinch	1.00	7.50	Nivea	3.00	.....
Mrs. Thompson	1.00	7.50	Flora Hill	4.00	35.00

SMILAX PLANTS, $2 per 100; $15 per 1000.

REINBERG BROS., 51 WABASH AVENUE, CHICAGO.

BUFFALO.

Favored with a first-class commission house and some of the best growers of the Union, it would indeed be singular if stock of extraordinary quality were not produced and disseminated. This is so, and Easter will find the craft prepared to handle all that comes along in the shape of orders. Rebstock's azaleas, Palmer's carnations and immense bulbous supply, Scotts' immense assortment of pot-grown stock, which is in excellent condition, in addition to the numerous smaller blocks around and well grown by Keitsch, Burton and Belsey. Mrs. Newlands will have as usual plenty for her cemetery clientage. Christensen's fine fuchsias are missed this year, but we shall doubtless see him to the front another season. Chris. is not the man to retire from active life. All will be pleased to welcome him into the arena again. W. M.

HAVERHILL, MASS.—C. H. Kaulbach is a candidate for hail insurance, provided there is provision for snow drifts, one of which caught him in the storm of January last, whereby he lost more than 1,000 panes of glass in addition to loss of stock through the severe frost following and before the damage could be repaired. Consequently he lost much stock that would be in shape for Easter, but notwithstanding this his philosophical nature cheerfully anticipates a good trade around the 10th, which we also wish him.

LAWRENCE, MASS.—J. B. Halley was examining a big batch of Easter orders when I called, and predicted a flourishing time. He is prepared to meet it, with Chas. N. Wingate, whose stock is at par.

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EVELINA, - - - $10 per 100
WHITE CLOUD, - $10 per 100

TWO GRAND WHITES OF 1898. TRY THEM.

PSYCHE—flaked white, $10 per 100.
PAINTED LADY—red, Two Fine Commercial Sorts.

Our trade list is issued; if you have not received it, send for a copy. New **Cannas,** new **Geraniums,** new **Roses;** all the new **Chrysanthemums** of the year.

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E. G. AMLING,
Wholesale **Cut Flowers**
Consignments Solicited. Prompt Attention to Shipping Orders.
51 Wabash Ave., - CHICAGO.

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LILIES! ROSES! CARNATIONS!

Don't be frightened::: by announcements of **scarcity.** Send us your **orders** and they will be **filled** in the **right** way, at the **right** time and at the right **prices. Cut this adv. out** and have it **handy** when you are making up your **order.**

EASTER PRICES

PRICES TAKE EFFECT APRIL 6.

	Per 100		Per 100	
American Beauties	$8.00 to $40.00	Valley, Romans	$ 2.00 to	$ 3.00
Meteors	5.00 to 8.00	Harrisii	10.00 to	15.00
Woottons	4.00 to 6.00	Callas	10.00 to	12.50
Bridesmaid	5.00 to 8.00	Daffodils	2.00 to	3.00
Brides	5.00 to 8.00	Tulips	2.00 to	3.00
Kaiserin	5.00 to 8.00	Freesia	2.00 to	4.00
Perles	4.00 to 6.00	Paper White	3.00 to	4.00
Carnations, common	2.00 to 3.00	Smilax	15.00 to	20.00
Carnations, fancy	3.00 to 5.00	Ferns, per 1000	$2.00 ..... to	.25
Violets	.75 to 1.00	Asparagus	50.00 to	65.00

W. E. LYNCH,

19-21 Randolph Street, ...Chicago, Ill.

PLANTS for EASTER

10,000 Japan Lilium Longiflorum, nice, dwarf healthy plants, 18-inch to 30-inch high.

Cut blooms and buds, $10.00 per 100.

Plants in pots, 4 or more buds or blooms on a plant, $12.00 per 100.

Hydrangeas from 50c each to $1.50 each.

Spiraea Japonica and Spiraea Compacta, $3.00 to $5.00 per dozen.

Boston Ferns. N. Exaltata Bostoniensis, $5.00 to $15.00 per 100 out of bench. Large size 5-inch pots $3.00 per dozen.

Palms. Kentias from $6.00 per dozen to $10.00 each. Latania from $6.00 per dozen to $3.00 each.

Rubber Plants, $4.00 to $6.00 per dozen.

Azaleas in bud and bloom, $1.00 to $3.00 each, according to size.

Geraniums in bloom, $8.00 per 100.

Cash with orders from unknown parties.

WM. A. BOCK,
NORTH CAMBRIDGE, Mass.

NEW GIANT ESCHSCHOLTZIAS, "The Golden West,"

50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Venture Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

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..Areca Lutescens..

LARGE HEALTHY STOCK

3	Plants,	6-inch Pot,	24 to 32 inches high, very bushy, each	$1.00
3	"	7-inch "	32 to 36 " " " " "	1.50
3	"	8-inch "	36 to 38 " " " " "	2.00
3	"	8-inch "	42 to 48 " " " " "	2.50
1	"	10-inch "	4 to 5 feet " " " "	5.00

All Measurements from Top of Pot.

JOSEPH HEACOCK, Wyncote, Philadelphia, Pa.

Herbaceous Perennials For Florists.

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Burpee's Seeds Grow

PITTSBURG.

Exhibit of Florists' and Gardeners' Club.

The most noteworthy event of the week was the carnation exhibit and discussion of the Pittsburg and Allegheny Florists' and Gardeners' Club, at their last meeting night, Thursday evening, March 24th.

The display of Messrs. H. Weber & Sons, Oakland, Md., was the largest and best. They exhibited the following carnations: Mrs. Geo. M. Bradt, Flora Hill, Mayor Pingree, Mrs. McBurney, Hector, Armazindy, Triumph, Buttercup, Eldorado, Uncle John, Jubilee, Daybreak, Della Fox and a lot of unnamed seedlings; also a sample lot of their new rose, Mrs. Robert Garrett. These blooms received many comments.

Mr. Fred Burki displayed a choice lot of Hector with immense blooms and exceedingly long stem; his Buttercups and Mrs. G. M. Bradt blooms were much praised.

Gustav Ludwig exhibited the following grown by Mr. John Murchie, of Sharon, Pa.: Wm. Scott, Daybreak, seedlings, a fine pink of Rose Queen and Peach Blow, a white of Storm King and McGowan, a red named Uncle Walter, a spray of Dendrobium fimbriatum oculatum, which was much admired. A bunch of Mr. Murchie's yellow Marguerite Etoile de Lyon, flowers measuring three inches in diameter, with a long, stiff stem, was much admired.

Vases of Allium Neapolitanum, Bride and Bridesmaid roses grown by Chas. Hoffmeyer, of Carnegie, added much to the appearance of the display.

Wm. F. Kasting, of Buffalo, N. Y., sent a sample lot of the famous Genesee, three new unnamed seedlings, sports of Scott and Daybreak. These were exhibited by Langhans & Co., Allegheny, Pa.

E. C. Ludwig had the finest lot of Albertini, with immense blooms and rigid stems three feet long. A vase each of Daybreak, Flora Hill and Brunners was included in Mr. Ludwig's exhibit. Mr. H. D. Roher, of Lancaster, Pa., was the grower.

Judging from the general interest taken in this exhibit, it is probable that Pittsburg will have a fall flower show.

Among the visitors here last week were Messrs. H. Weber, of H. Weber & Sons, Oakland, Md.; J. McHutchison, representing Aug. Rhotert, New York; A. Colijn, of C. Colijn & Sons, Holland.

Just at this writing your correspondent has been advised of several elaborate floral memorial design orders for the late Lieut. Jenkins, the Maine hero, who is to be buried here March 30th.

T. P. L.

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Florists' Review
When Writing Advertisers.

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Wholesale Florist, Chicago
Has removed to
4 Washington St.
DON'T FORGET
Don't forget to get Easter Orders in early
Our Specialties
GOOD STOCK
LOTS OF IT

Full Line of Wire Designs and Florists' Supplies....
Write for Illustrated Catalogue
S. B. WINTER
HIGH GRADE.....
21 Randolph St., ...CHICAGO
CUT FLOWERS
PROPERLY PACKED ...AND PROMPTLY FORWARDED

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I have been appointed Sole Agent in the United States and Canada for the Societe Horticole Gantoise, which is the largest establishment of the kind in Belgium, thus enabling me to quote the lowest prices upon the highest grade of Azaleas, Palms, Rhododendrons, Araucarias, Bay Trees, etc. This firm being already well known to the American trade, needs no further introduction. Am also agent for Brazilian Tonic Plant Food. Soliciting your orders and correspondence, I am, yours very truly,

F. L. Atkins, Orange, N. J.

BOSTON FERN,
Strong Plants, 6-inch pots .....$12.00 a dozen.
Also smaller sizes.
PANDANUS VEITCHII,
6-inch, $1.00; 7-inch, $1.50; 8-inch, $2.00 each.
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ASPARAGUS PLUMOSUS NANUS.
Strings 8 to 10 feet long, 50 cents.
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FINE ROSE STOCK, in 2 and 3-inch pots. Write for prices of kinds you want.
12 Best Varieties of CARNATIONS, in 2-inch pots, ready to plant out.
Write for prices.
Send 50 cents for samples Fancy Smilax, in 2-inch pots.
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CLEMATIS—Fine assortment 2-year old plants, home grown, $3.00 per dozen.
CARNATIONS—Victor, plants from pots, $4.00 per 100. Rooted Cuttings, $3.00 per 100.
VIOLETS—Princess of Wales, well established plants, 2½-inch pots, $3.00 per 100.
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DECORATIVE PLANTS for EASTER.

We enumerate below only such varieties and sizes as are especially suited for decorative purposes. For a full line of this class of stock, see our Quarterly Wholesale Price List, issued March 15th.

Standard or Tree-Shaped Bays.

	Each
5 ft. high, crown 15-ins. in diam	$ 2.50
6 ft. " " 36-ins. "	10.00
6½ ft. " " 42-ins. "	12.00
6½ ft. " " 48-ins. "	15.00
7 ft. " " 60-ins. "	40.00

Pyramidal-Shaped Bays.

7 ft. high, 32-ins. diam. at base, tapering to point	10.00
8 ft. high, 36-ins. diam. at base, tapering to point	12.00
8 ft. high, 40-ins. diam. at base, tapering to point	15.00

Conical or Pillar Bays.

9 ft. high, 36-ins. diam. at base, 12-ins. at top,	25.00
8 ft. " 54-ins. " " 30-ins. "	40.00

Standard or Tree-Shaped Box.

7-in. pots, 26 to 28-ins. high, with 12-in. crowns,	1.00

Pyramidal-Shaped Box.

9-in. pots, 32 to 36-ins. high, 15-in. diam. at base, tapering to a point	2.50

Cibotium Schiedei.

Undoubtedly the finest of all Tree Ferns, and while it has a most delicate appearance, stands better than any other. Posesses a grace found in no other plant and used extensively by eastern decorators. Fine plants, 7-in. pots, $2.50 each; 8-in. pots, $3.50 each.

Areca Lutescens.

Inch pots.	Height.	Each.	Doz.
6 Very bushy	28 to 30 ins.	$1.00	$12.00
7 " "	32 to 36 "	1.50	18.00
8 " "	36 to 42 "	2.50	30.00
8 " "	42 to 48 "	3.00	36.00
9 Heavy single plants	48 to 60 "	6.00	

Cocos Weddeliana.

Inch pots.	Height.	Per doz.	Per 100.
3	8 to 10 ins.	$2.50	$20.00
3	10 to 12 "	3.00	25.00
4	15 "	5.00	40.00

We also offer a limited number of specimen plants in 8-in. pots, 8 to 8½ ft. high, with 8 to 9 leaves, $6.00 each.



STANDARD BAY.

LATANIA BORBONICA.

4-in. pots, 4 to 5 leaves, an excellent lot of exceptional value, $3 per doz.; $25 per 100; $225 per 1000.
5-in. pots, 5 to 6 leaves, 18 to 24-in. high. We have an immense stock of this fine size for retailing, $5 per doz.; $40 per 100.
6-in. pots, 5 to 6 leaves, 18 to 20-ins. high, $9 per doz.; $75 per 100.
7-in. pots, 6 leaves, 24-ins. high, $12 per doz.; $100 per 100.

Kentia Belmoreana.

Inch pots.	Leaves.	Height.	Each.	Dozen
4	5 to 6	15 to 18 ins.	$ 0.50	$ 6.00
6	6	24 to 30 "	1.75	21.00
6	6	30 "	2.00	24.00
7	6 to 7	32 to 36 "	2.25	27.00
8	6 to 7	36 to 42 "	4.00	
8	7	42 to 48 "	5.00	
9	6 to 7	48 to 54 "	7.50	
10	6 to 7	54 "	10.00	
12	7 to 8	7 feet	$35.00 to $50.00	
16-in. tubs	8 to 9	9 feet	75.00 to 100.00	

Kentia Belmoreana—Made-up Plants.

7-in. pots, 4 plants in a pot, center plant about 30 ins. high, others about 18 ins. high, $3.50 each.
9-in. pots, 4 plants in a pot, center plant about 36 ins. high, others about 20 ins. high, $5.00 each.
9-in. pots, 4 plants in a pot, center plant about 4 feet high, others about 2 feet high, $10.00 each.

Kentia Forsteriana.

Inch Pots.	Leaves.	Height.	Each.	Dozen
6	6	30 to 36 ins.	$1.50	$18.00
7	6	36 "	2.00	24.00
8	6	42 "	3.50	
9	6	48 "	5.00	
9	6	52 "	7.50	
10	6	60 "	10.00	
13-in. tubs,	7	6 feet	25.00	
12 "	7	6 "	$35 to $50.00	
14 "	7	7 to 8 "	35 to 50.00	
16 "	7	10 "	75 to 100.00	

Kentia Forsteriana—Made-up Plants.

8-in. pots, 3 plants of equal height, from 36 to 42 inches high in a pot, $3.50 each.
10-in. pots, 4 plants in pot, center plant 5 feet high, others 2 feet high, $10.00 each.
12-in. pots, 5 plants in pot, center plant 6 feet high, others 2½ feet high, $25.00 each.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

CRABB & HUNTER,

Violet and Carnation Specialists

Write for prices.

Grand Rapids, - - Michigan.

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Rooted Cuttings. Well Rooted.

Crimson Bedder, Candidate, Mrs. J. C. Vaughan, Fire Ball, Lavender, Swayne's Beauty, Francis, Peri, Pink Beauty, Aurora Borealis, Negro, Miss Arthur, Willie Desmond, Mrs. Cleveland, 15c per dozen; 70c per 100; $6.00 per 1,000. All nice, clean stuff. Express paid.

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Fine Pot Plants. $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

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We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

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Extra strong and robust plants, 3½-inch pots, $3.75

Double Grant, Nutt and finest varieties to be had. $3.50 per 100, extras added. This offer until April 8 only. Must go into 4-inch pots. Adams and U. S. Express. Cash or one-half cash and balance C. O. D.

JOHN F. RUPP, Shiremanstown, Pa.

THE REGAN ... PRINTING HOUSE ...

Nursery Seed & Florists' Catalogues

87-91 Plymouth Place, Chicago.

CINCINNATI.

Business has been very quiet for several days. Transient trade is poor and very little is going on to create a demand for flowers. If there was any business to speak of, we would be short of stuff, for a week of rainy weather and an effort on the part of the growers to hold back their stock for Easter has decreased the supply of roses and carnations to such an extent that there is hardly enough coming in to supply the light demand. Trade was slow at the Sixth street flower market on Saturday, owing to disagreeable weather.

This locality was visited by a heavy downpour of rain several days since, which has done great damage. Washouts on the different railroads have made the shipping of flowers a risky thing, as very few trains are running on schedule time. The Ohio river is on a rampage and several of the craft are in the flooded district. Fred Walz, K. Wolf and Benj. Glins, of Cumminsville, are among the unfortunate ones.

I am in receipt of a letter from W. G. Matthews, of the Dayton Floral Co., stating that his loss from the flood is fully $3,000. His greenhouses were entirely covered with water for two days, destroying his Easter stock of hyacinths, tulips, and lilies, which were in bloom. Mr. Matthews said that he only had about ten minutes' warning of the danger, and that most of his property was swept away by the powerful current.

George & Allen, of Hyde Park, and Henry Schwarz, of Price Hill, both lost considerable glass by hail. In Camp Washington and Cumminsville a number of truck gardens were washed out and considerable damage was done.

As everyone knows, there is quite a large pond on George & Allen's place, which is quite an attraction for wild ducks. While going about his work Ben always carries a shotgun with him, but not being a very good marksman, his vigilance has been in vain. However, an accident occurred last Sunday, and Ben brought down one of the birds, which made a good, square meal. What a pity it is that he hasn't a gun like Scott, for then he might be able to hit something. As it is, he sits up half of the night with two or three lanterns, looking for more ducks.

Recent callers were: Paul Berkowitz, Philadelphia, and O. J. Friedman, Chicago. B.

PALM SEED

A List of All Varieties upon Application.

J. L. SCHILLER, 404 E. 34, New York

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Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$2.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
Alyssum, T. Thumb and Giant dbl, 2½-inch pots	2.50	20.00
Begonias, fine assortment, 3-inch pots	4.00	35.00
Begonias, Vernon, 2½-inch pots	3.50	30.00
Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00
Cannas—Fine assortment of leading varieties. Prices on application.		
Coleus—Just the kind of cuttings you would root for your own use—not small tips that require the use of a magnifying glass t discover them.		

	Per 100.	Per 1000
Coleus, Golden Bedder, Verschaffelti, etc.	1.00	7.50
Plants of the above variety, from 2½-inch pots	2.00	15.00
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
German Ivy, 2½-inch pots	2.00	15.00
Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
" rooted cuttings, blue	1.50	12.50
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
Moon Vines (the true Colonyction), rooted cuttings	2.50	20.00
Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
Salvia, Nana Erecta or Bonfire, rooted cuttings	1.50	12.50
Swainsona, Alba and Rosea (very strong), 2½-inch pots	4.00	30.00

Cash with order from unknown customers or c. o. d.
Orders amounting to $5 and over, f. o. b. New York City.

J. C. CLARK. Supt. **SEAWANHAKA GREENHOUSES,** Wm. L. SWAN, Prop.
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The Holland Bulb Co.,

Oegstgeest, Holland,

Is now in the United States on his annual trip. Please address correspondence to him, care of KNAUTH, NACHOD & KUHNE, corner William and Beaver Streets, New York City. Those wishing lowest quotations on Bulbs can have same from me, together with best references as to the quality of our goods. Yours truly, **P. VOS.**

Rawson's Famous Chrysanthemums

WM. H. CHADWICK,
YELLOW FELLOW,
MADELINE PRATT.

Ready now by leading firms and the grower. GROVE P. RAWSON, Elmira, N. Y.

LAGER & HURRELL

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ORCHIDS

Correspondence Solicited.

SUMMIT, - - N. J.

ORDERS, PLEASE.

All the leading Carnations now ready.	Per 100.
Geraniums named, our selection only, 2¼ in.	$2 00
Salvia Clara Bedman, 2¼ in.	2 00
Little Gem feverfew, 2¼ in.	2 00
Coleus, 20 best bedders, 2¼ in.	1 50
Lycopodium Dent'n, 2¼ in.	2 00
Tradescantia Multicolor, 2¼ in.	2 00
Alternanthera Aurea Nana, and P. Major, 2¼ in.	2 00

THE MORRIS FLORAL CO., Morris, Ill.

DWARF PAPAYAS.

MOST magnificent Bedding and Decorative Plant ever introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

MARTIN BENSON, Dongola, Ill.

GERANIUMS—Grand Bedders and New. 40 var., $1.30 per 100, $10.00 per 1,000. **Alternanthera**—P. Major and Yellow, fine little plants. **Coleus**—30 finest var., Sage, Grandiflora and Bonfire, 2 best. **Petunia**—Ruffled Giants, 85c per 100, $5.00 per 1,000. **Pansies**—Best, Giant and Bugnot in bud, $6.00 per 1,000. Small, 60c per 100, $3.00 per 1,000; 100 rates by mail, 1,000 rates by express, any quantity. Send for my list.

DANIEL K. HERR, LANCASTER, PA.

Grow Your Begonias, Gloxinias and Caladiums in

Jadoo Fibre

Or water them with

Jadoo Liquid

Use pots two (2) sizes smaller than if grown in soil

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Stock That Will Please You.

CARNATIONS in 2 in. pots or rooted cuttings. Mrs S. A. Northway, $1 per 100; Flora Hill, Mapledale, $5 per 100; Daybreak, $15 per 1000; Lizzie McGowan, $12 per 1000; Rose Queen, $10 per 1000. All the new ones at regular prices.

GERANIUMS in 2¼ in. pots. Heteranthe, S. A. Nutt, La ravorite, $25 per 1000; Mme. Bruant, M. Alphonse Ricard, J. J. Harrison, Fleur Poitevine, $5 per 100; Frances Perkins, best double pink, Surprise, Duchesse de Maible, $4 per 100, our selection $20 per 1000; Rose, $2.50 per 100; Mme. Salleroi, $2 per 100; Rooted Cuttings S. A. Nutt, $12 per 1000.

AGERATUM Tapis Blue cutting from flats, 60 cts. per 100; 2 in., $1.25 per 100; Dwarf Beauty, 2 in., new, $2 per 100; VINCA VAR. 5 in., strong, $6 and $7 per 100; DRACAENA INDIVISA, 3 in., $8 per 100, strong; GENISTA RACEMOSA, 4 in., fine, $10 per 100; BEGONIA VERNON, 2 in., $25 per 1000; BEGONIA VULCAN, $3 per 100; HELIOTROPE, Jersey Beauty, rooted cuttings, 60 cts. per 100; 2 in., $1.50 per 100; COLEUS KLONDYKE, $1.20 per doz, $6 per 100. 6 COLEUS KLONDYKE WITH EVERY ORDER OF $5.00 AND OVER. Terms cash or half cash and half C. O. D. Stock A No. 1.

CARL HAGENBURGER, West Mentor, Ohio.

Plants for Easter.....

Such as Lilies, Azaleas, Roses in pots, Callas, Spiraeas, Deutzias, Hyacinths, Tulips, Pelargoniums, Geraniums, Palms, etc. Fot sale by

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THE DINGEE & CONARD, CO.
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New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
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Branching and Semple's. In White, Pink, Rose and Lavender. Separate colors. $1.25 per ounce.

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Choice Specimens for Lawn Decoration.
Send for Descriptive Catalogue and Trade List.

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Send for our Catalogue.

Large Trees, Shrubs, and Vines. Privet and Ampelopsis Veitchii by the 10,000. 50,000 Peach Trees cheap.

THE ELIZABETH NURSERY CO.,
ELIZABETH, N. J.

ST. PAUL, MINN.

Condition of the Market.

Trade is good—not booming, but the market has a healthy tone, and complaints of "poor sales" and "hard times" are seldom heard from either growers or store men.

Stock is of good quality, with a fair supply; about equal to the demand. There is a disposition with most growers to hold everything possible for Easter. Bulbous stock is thus being held, the supply at present being somewhat short. The supply of Easter stock is somewhat problematical, though most likely large enough for the demand, excepting Harrisii. The small number planted and the havoc wrought by the disease have reduced the visible supply, and prices are likely to rule very high at the near approach of Easter.

Smilax is scarce, while the future supply is uncertain. Early in the season this article was very plentiful and cheap. Carnations will also be scarce for Easter. Roses and violets will be in fair supply.

Advance price lists quote roses for Easter at retail, $2 per dozen; carnations, 75 cents; violets, $3 per 100; Harrisii, $3 per dozen; valley tulips, Narcissus, and other bulbous stock, 75 cents per dozen.

MESSRS. LANGHANS & CO., of Allegheny, Pa., are issuing some very attractive printed matter to their retail customers. A specimen pamphlet just received is entitled, "Flowers and Floral Decorations for the Easter Season," and ought to prove a very effective, seasonable advertisement for this enterprising firm.

ROSES! Own Roots, Dormant, Field Grown

In Cold Storage in Chicago.

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers
and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

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18 varieties of '98. 15 varieties of '97.

All the best standard sorts.
Send for descriptive Price List.

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DOUBLE DAISIES

in flower and bud, $1.25 per 100, $10.00 per 1000.
Cash With order.

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SOME FROM SOIL SOME FROM SAND

Harrison's White, Yellow Jacket, Garfield, Alaska, Mrs. Fisher, Nellie Lewis, Della Fox, Cartledge, Anna Webb, Iago and Portia,
$1.00 per 100, free by mail; $7.50 per 1000 by express.
Buttercup, $3.00 per 100 by mail, or $25.00 per 1000 by express.

EXPERIENCES WITH CARNATIONS
Sent free to any one who writes and asks for them.

SMILAX—Do not buy until you have seen some of mine. Will send a sample lot for 10 cents, a hundred for 75 cents and a thousand for $5.00.

ALBERT M. HERR, LANCASTER, PA.

Try a Few of the
NEW CARNATION
CERISE QUEEN

$2.00 per doz.
$10.00 per 100.
$75.00 per 1000.

Mayor Pingree, $5.00 per 100; $40.00 per 1000.

JOHN BREITMEYER & SONS, Cor. Miami and Gratiot Aves., Detroit, Mich.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

Rose Hill Nurseries

Largest Growers of Palms, Orchids, Stove and Greenhouse Plants, Ferns, Araucarias, Pandanus.

New Wholesale Price List will be ready March 20th.

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You will miss it

If you do not stock up with that grand white **Flora Hill**, at $5 per 100; $40 per 1000. Portia, Scott and McGowan, $1 per 100; $8 per 1000. 100,000 ready. Send for list of novelties and other standard sorts.

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Use Economy and Make Your Own Pots

THE COW MANURE POT is the best in the world for young plants. For bedding and sending of plants it is the best thing ever invented. The cow manure forces the plant and makes it healthier. You do not need to disturb the roots in getting them out as you do in the clay pots. It is especially recommended for the sending of plants, as the plant does not have to be taken out of pot. For bedding all you have to do is to squeeze the bottom of pot and set out in bed. It never stays the plant, it holds the moisture better, especially if you have a dry summer. The pots stand watering in greenhouse and hotbed. Every gardener needs one of these machines. Single machine, 2-in. pots, $4.50. Double machine, 2 and 3-in. pots, $5.
Machine weighs about 5 pounds.

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ESTABLISHED 1857.

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GROWER AND IMPORTER .....OF **Tropical Plants** 'PHONE L. V. 136

1708 North Halsted Street, Cor, Aldine Avenue, CHICAGO, ILL.

The following is a list of our stock. It is in excellent condition, and we are confident that we can please you, both as to quality and value.

...PALMS...

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.	Per 100
Areca Lutescens, 3 plants in pot	4-inch.	12-14			$3.60	$30.00
Areca Lutescens, 3 plants in pot	6 "	30-34	8-10	$0.75	9.00	
Areca Lutescens, 3 plants in pot	6 "	34-38	8-12	1.00	12.00	
Areca Lutescens, 3 plants in pot	8 "	40-50	....	2.50	30.00	
Cocos Weddeliana	3½ "	12-15	4- 6	.25	3.00	
" "	2½ "	7- 9	3- 4	....	1.50	
Kentia Belmoreana	4 "	16-18	4- 5	.50	3.60	30.00
" "	5 "	14-16	5- 6	.75	7.20	
" "	6 "	20-24	3- 5	1.25	15.00	
" Forsteriana	4 "	18-20	2- 3	.50	3.60	
" "	5 "	20-24	3- 4	.75	7.20	
" "	6 "	28-30	3- 4	1.25	15.00	
" "	8 "	50-54	4- 6	4.00	48.00	
Latania Borbonica	3 "	12-14	1- 2	.15	1.50	10.00
" "	4 "	14-16	3- 4	.25	3.00	25.00
" "	5 "	18-20	4- 5	.50	5.00	40.00
" "	6 "	18-20	5- 6	.75	9.00	
" "	8 "	30-36	6- 8	2.50	30.00	
" "	10 "	36-40	8-12	5.00	60.00	

...PALMS...

Measurements taken from top of pot to top of tallest leaf.

VARIETIES:	Size Pot.	Height Inches.	Character Leaves.	Each.	Doz.
Phœnix Reclinata	5-inch	18-20	4- 5	$0.50	$5.00
" "	6 "	22-24	4- 5	.75	9.00
" "	7 "	26-30	5- 6	1.00	12.00
" Canariensis	5 "	18-20	4- 5	.50	5.00
" "	6 "	22-26	5- 6	.75	9.00
" "	7 "	26-30	8-10	1.00	12.00

...FERNS...

Nephrolepis Exaltata, from 4-inch pots	per doz.	$1.50
" " " 5 "	"	2.00
" Bostoniensis, " 5 "	"	3.00

...MISCELLANEOUS PLANTS...

Asparagus Plumosus Nanus, from 3-inch pots	per 100	$8.00
Cyperus Alternifolius, from 4-inch pots	per doz.	1.00
Ficus Elastica, 4-inch pots, 8 to 10 inches high, 4 to 6 leaves	"	3.00
" " 5-inch pots, 14 to 18 inches high, 7 to 10 leaves	"	5.00
" " 6-inch pots, 20 to 24 inches high, 10 to 12 leaves	"	9.00
Pandanus Utilis. 4-inch pots	"	3.00
" " 5-inch pots, 16 to 18 inches high	"	5.00
Selaginella Martensii, 3-inch pots	per 100	6.00
" 2-inch pots	"	4.00

Order Now. All orders from unknown parties must be accompanied by cash or acceptable references.

Cane Plant Stakes.

THOROUGHLY SEASONED, READY NOW.

	1,000
3 to 6 feet long, - -	$2.00
5 to 7 " - -	2.50
6 to 10 " - -	3.00

Cash with order.

W. W. HENDRIX,

BOWLING GREEN, KY.

ALTERNANTHERAS R. C. A. Nana, P. Major, R. Nana, 75c per 100, $5 per 1,000.

BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.

GERANIUMS **Bruant,** 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.

CANNAS nicely started, Mme. Crozy. P. Marquant, L. E. Bally. In assortment, 30c per doz., $2.00 per 100.

A. J. BALDWIN, Newark, O.

Marie Louise

VIOLET RUNNERS.

Good Plants. Healthy Stock. **$5.00** per 1,000.

A. WASHBURN & SON, Bloomington, Ill.



100 ACRES IN ORNAMENTAL TREES AND SHRUBS

Deciduous, Evergreen, Hedging, Vines, Bulbs, Tubers, Etc.

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A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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100,000 ROSES . . .



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HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application,

JACOB W. MANNING,

The Leading New England Nurseryman. ESTABLISHED 1854. READING, MASS.

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WATERING PLANTS IN JADOO.

We hear of some failures of plants in Jadoo from overwatering. It should be borne in mind that the Jadoo is more retentive of moisture than soil, and this characteristic should not be overlooked in watering.

A LOST LETTER.

Will the party in Terre Haute, Ind., who answered the adv. of Boston please write again, as his first letter was accidentally lost. Address Boston, care Florists' Review.

NORTH CAMBRIDGE, MASS.—Wm. A. Bock has a remarkably fine lot of Easter lilies, the finest around Boston. They are from Japanese bulbs and are perfectly healthy. His spiraeas, hydrangeas and other plants are also looking well.

HARTFORD, CONN.—The premium list of the Connecticut Horticultural Society for 1898 has been issued, and copies may be had on application to the secretary, Mr. C. M. Rodgers, Beacon street, this city. The society will hold exhibitions in June, July, September and November.

BIRMINGHAM, ALA. — Mrs. H. A. Lindsay has purchased a conveniently located tract of land containing seven acres, upon which will be erected a new range of greenhouses, covering about 12,000 square feet, all to be of modern, up-to-date construction. The old place has become much too small for her growing trade. During the coming year Mrs. Lindsay will celebrate her tenth anniversary as a florist and will suitably commemorate the day. The Birmingham News of March 14 prints an extended and very eulogistic description of her establishment and ability as a florist.

NEW GARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, $10 per 100.

Send for Price List of Standard Sorts

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Carnations

New Carnations---------

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GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.
Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND — DAYBREAK x SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.
HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida
(Cape Jasmin.)
3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.
25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.
Oranges, best sorts grafted, 4-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.
Crotons, 3-in. pots, $10 per 100.
Send for Trade List. Address
P. J. BERCKMANS
AUGUSTA, GA.

INSURE AGAINST FIRE
IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y,
Fort Wayne, Ind.

GERANIUMS,

	Per 100
Bruant, fine 3-inch	$2.75
Mixed Scarlets and Pinks, 3-inch	2.75
Rose, large leaved	2.50
Begonias, best varieties, 4-inch	4.00
Coleus, " " cuttings	.95
Cyperus Alternifolius, 2½-inch	1.50

Stock sure to please. Cash with Order.
GEO. L. MILLER, Newark, Ohio.

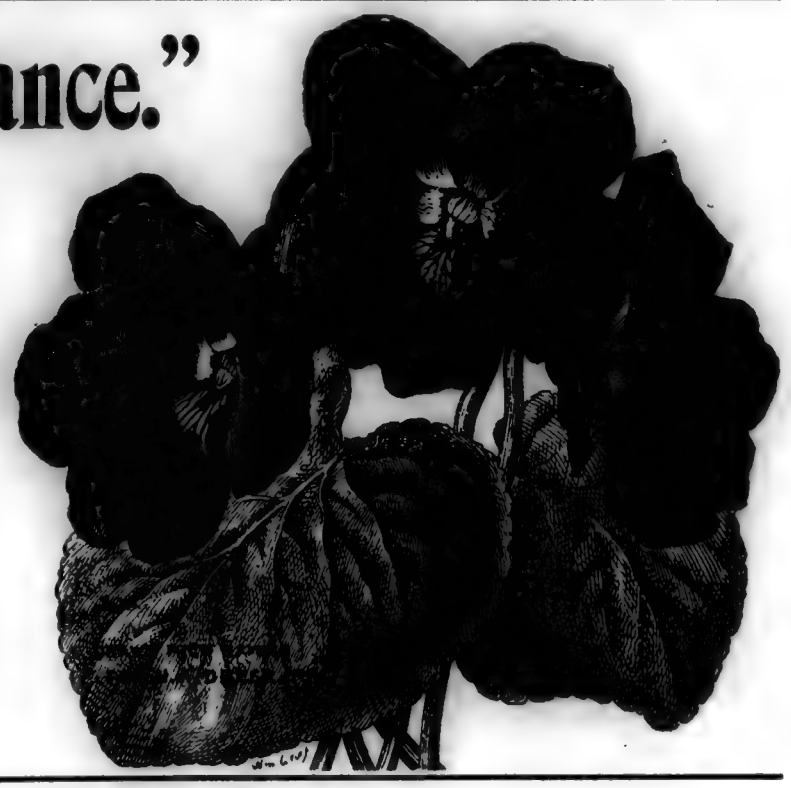
New Forcing Rose.
Mrs. Robt. Garrett, Hybrid Tea.
Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.
Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.
Orders booked now, delivery March 15th, 1898. Correspondence solicited.
H. WEBER & SONS, Oakland, Md.

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122 W. 25th St., NEW YORK CITY.
Manufacturers of WIRE & DESIGNS and Dealers in FLORISTS' & SUPPLIES

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.
Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

Grand New Violet "La France."

STRONG VIGOROUS GROWER.
EXTRA FREE FLOWERING.
RICHEST COLOR.



Of the many new Violets introduced in the past few years this, the latest introduction of the foremost French specialist, is unquestionably the **BEST.** It has been thoroughly tested by Mr. Supiot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom, and in size and coloring it is superior to all existing sorts, and will soon supercede them. Only a limited stock will be offered this season, and orders will be filled in strict rotation

Price, $1.25 per dozen; $10.00 per 100.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

LARGE STOCK OF....

ELLIS & POLLWORTH,

W. H. ELLIS. C. C. POLLWORTH.

Cut Flowers

ALSO FINE LINE OF....

Spiraea Plants, $3.00 per dozen.
Calla Plants, in bloom, $3 per dozen.
Azaleas, in bloom, 75 cents to $2 each.
Hyacinth Plants, fine spikes, $8 per 100.

For Easter

ELLIS & POLLWORTH, - - - 137 Oneida Street, Milwaukee, Wis.

KLONDIKE Gold Fields at Your Door.

COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffeltii and Golden Queen rooted cuttings, $6 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $4.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

Ageratum, dwarf blue, rooted cuttings, $5 per 1000. Fuchias—standard sorts nothing but the best varieties, rooted cuttings, $12 per 1000; $1.50 per 100. Double Petunias, extra fine strain from flats, $1.50 per 100; $12 per 1000. Anthemis Coronaria, Golden Marguerite, $12 per 1000; $1.50 per 100. Salvia Splendens, $1 per 100. Vincas Variegated, $1.50 per 100; $12 per 1000; 2½-in. pots of the same, $2.50 per 100; $20 per 1000; 3-in. pots, $4 per 100. Heliotrope, six varieties, $1 per 100; $9 per 1000. Alternanthera, Paronychioides Major and Aurea Nana, 60c. per 100. Helianthus Multiflora, Double Golden, 2½-in. pots, $3 per 100.

GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

SEEDS LAWN GRASS $12.00 per 100 lbs.

Finest Quality Ever Offered (Retails @ 30c. lb.)

J. CHAS. McCULLOUGH, SEEDSMAN,

RECLEANER AND JOBBER GRASS SEEDS.

North-East Corner **Second & Walnut Sts., Cincinnati, O.**

SEND FOR ILLUSTRATED CATALOGUES.

Rose Plants.

		Per 100	Per 1000		Per 100	Per 1000
Brides	2½-inch	$3.50	$30.00	3-inch	$4.50	$40.00
Bridesmaids	"	3.50	30.00	"	4.50	40.00
Meteors	"	3.50	30.00	"	4.50	40.00
Perles	"	3.50	30.00	"	4.50	40.00

All Stock Guaranteed to be First-Class.
Ready April 1st.

M. A. HUNT FLORAL CO.,

GEO. E. HUNT, Manager, P. O. Box 235. **TERRE HAUTE, IND.**

CHEAP FOR CASH.

1,500 Gannas from 3-inch pots at $4 per 100. the lot for $50. Charles Henderson, Beauty of Poitevine, Florence Vaughan, Egandale, Ed. Mieg, Oriflame, Queen Charlotte, etc. Ready April 1st to 15th. 3000 Daybreak rooted cuttings, clean ann healthy, at $1 per 100. Ready in April.

A. RASMUSSEN, New Albany, Ind.

Peacock's Prize Winning Dahlias

36 First Prizes out of 39 entries in 1896 and 1897

Send for 1898 Illustrated Descriptive Wholesale Catalogue before placing orders elsewhere.

W. P. PEACOCK, ATCO, N. J.

Only 3000 Geraniums Left.....

2½-in. pots, named varieties, $25 per 1000.
250 Field-grown Vinca Var., 4-in. pots, $10 per 100.
2000 Begonia Vernon, 2½ and 4-in. pots, $4 per 100.
Rooted Cuttings—Coleus, Ageratum, Salvia, at bottom prices.

GEO. W. GASKILL,
212 N. Tod Avenue, Warren, Ohio.

MR. P. VOS.

Last year it was erroneously reported in an American trade paper that Mr. P. Vos, the well known Holland bulb grower and dealer, had failed in business, and much regret was expressed by the many friends made by Mr. Vos during his ten annual visits to this country. The only basis for this report was the fact that Mr. Vos had merged his business in the new Holland Bulb Co. last July, with headquarters in Oegstgeest, Holland, in which was also combined the business of Mr. G. C. Vanderhoef, a large bulb grower.

Mr. Vos was at a loss to understand how the erroneous report originated, but he has now learned that after returning home from his American trip last year a competitor in business sent letters to some of his customers here, saying that he had failed and suggesting that the orders placed with him be transferred to them. Mr. Vos has shown us one of these letters, of which he has succeeded in getting possession, also a statement from the proper authorities in Holland certifying that he has never passed through bankruptcy there.

Mr. Vos is now on his annual American trip, and proposes to make things warm for the competitor mentioned upon his return home. He reports business as very satisfactory.

PALMS IN THE WEST.

Mr. Geo. Wittbold, Chicago, has always been a great lover of palms. Not so many years ago Mr. Wittbold was the only florist in Chicago who could supply a sufficient number of palms to make a decoration. Now there are few florists with greenhouse facilities that do not carry a stock. But in the meantime Mr. Wittbold has continually increased his stock, and he has still much the largest stock in the west. Where he formerly had a few houses of "palms," he now has a "few houses" of each of the important commercial sorts. The increased demand for palms during the last decade is certainly phenomenal.

HAIL NOTES.

The greenhouses of Henry Schwarz, of Price Hill, Cincinnati, were struck by a hail storm on the 16th inst.

B. Heshon, of Lawrence, Kan., and the Junction City Floral Co., of Junction City, Kan., also met with slight loss recently by hail. All of the above were insured.

In order to compile correct statistics, the secretary of the F. H. A. desires information concerning hail storms, their location and amount of damage done. Every florist is invited to drop a line when a storm occurs. Address John G. Esler, Saddle River, N. J.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

WE HAVE PLEASURE IN OFFERING TO THE TRADE THIS SEASON FOR THE FIRST TIME ONE OF

The Finest Novelties in Chrysanthemums

EVER SENT OUT

...MRS. O. P. BASSETT...

It will only be necessary for us to state that **This is a Yellow Mrs. Henry Robinson**

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We offer also all the best of the **Novelties for 1897,** and the **Best Standard Sorts.** Send for our wholesale list and large descriptive catalogue, giving full list of varieties and prices. We have a very large and fine lot of Novelties in Cannas for 1898, also best and latest introductions in Carnations, Dahlias, Strong Field-grown Roses and other Hardy Plants, a large and fine collection of Palms and other Decorative Plants, etc., etc.

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Trade Conditions.

Trade conditions during the week past were after all much better than we anticipated at last report and but very little stuff went to waste. A large amount of funeral work helped materially to increase the bulk of business over the average. The supply in all lines was very abundant every day and with only the ordinary demand much of it would have remained unsold, as was the case the week before, but happily, conditions changed and growers as well as retailers are well satisfied with their sales. The warm weather is still with us bringing out flowers of all kinds faster than they are desired, but the quality is very good with perhaps the exception of house grown violets, which are losing color and diminishing in size; but those planted in cold frames are in excellent shape now and there is no reason why they should not continue so for some weeks to come if slightly shaded on bright, sunny days.

Easter Outlook.

Many of the hyacinths in the open ground are ready to be cut now. This is the earliest date of such an occurrence for this latitude within the remembrance of the writer. We had such a most remarkable winter and now we are experiencing such extraordinary spring weather, which baffles attempts of our growers to retard Easter stuff, especially such things as azaleas and genistas; much of this stock if not the majority is too forward now and will not be in marketable condition for Easter. The supply of lilies will be short from present indications and those offered will command higher prices than we were able to obtain for some years past. Hydrangeas are superior to those offered usually so early in the season, not in size of plants or flowers, but because the texture of foliage and flower is much harder, the result of the prevailing bright sunny weather. They are thus not so apt to wilt down in the drier atmosphere of a dwelling house and will therefore be more satisfactory to the buyer.

A limited quantity of excellent sturdy and very profusely flowered cyclamen have been kept back successfully for the Easter trade by Geo. J. Keller. His remarkable success is attributed to his well ventilated violet houses, where he kept these plants practically at a standstill during the winter months. All the buds seem to be eager to start up at once with the greatest vigor as the season advances and they are just right for Easter week.

K.

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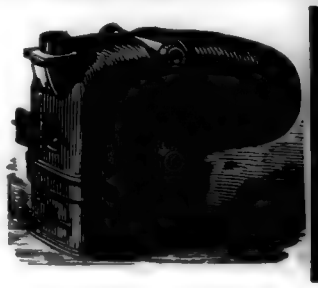
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NOTE—

I fully expected to show in this issue the cuts of my new sectional Heater, for hot water or steam, but am sorry to say the engraver has disappointed me, and it cannot be done. However, I would respectfully ask you to look out for them next week, and I will see that they show up in time. The boiler I shall show is sectional in every part. and each section can be removed and replaced without disturbing any other part of the boiler. This cannot truthfully be said of any other sectional boiler in the market.

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CARNATION WHITE CLOUD.

I visited Mr. Dorner's establishment at Lafayette a few weeks ago and must say that the photograph in the last issue of The Review does not do justice to the bench of White Cloud. The bench, as I saw it, was the finest bench of white carnations I have ever seen. White Cloud is, to my taste, the most perfect, best shaped and finest white carnation I have seen yet.

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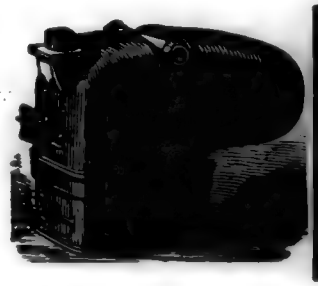
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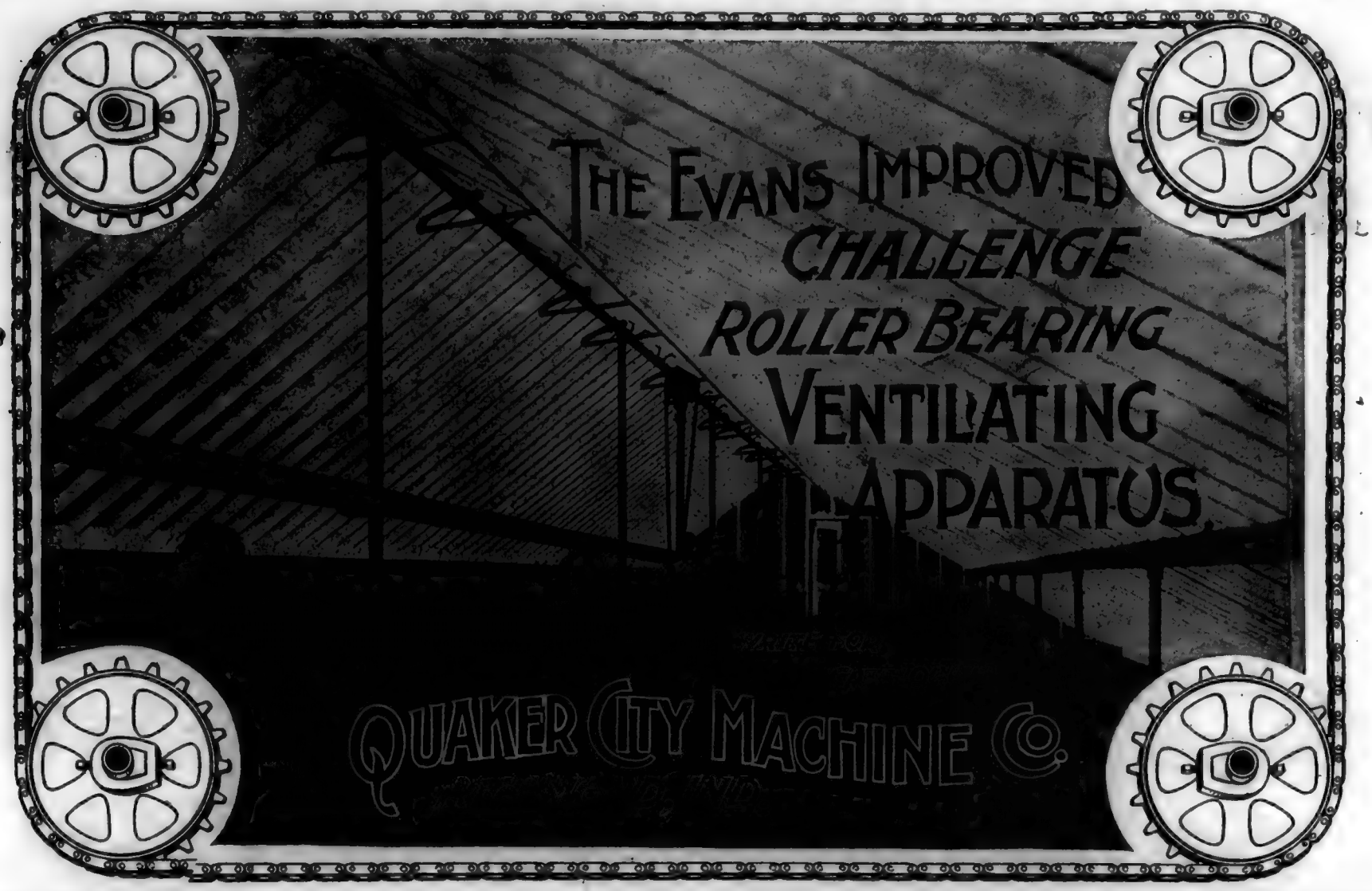
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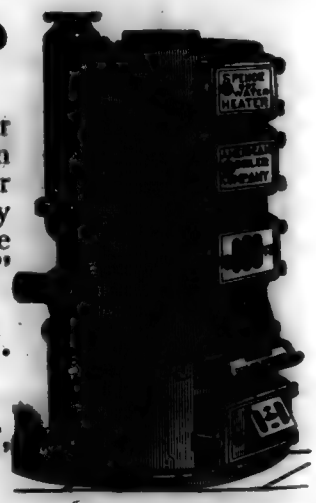
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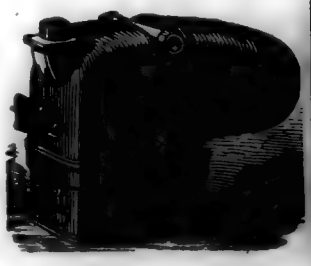
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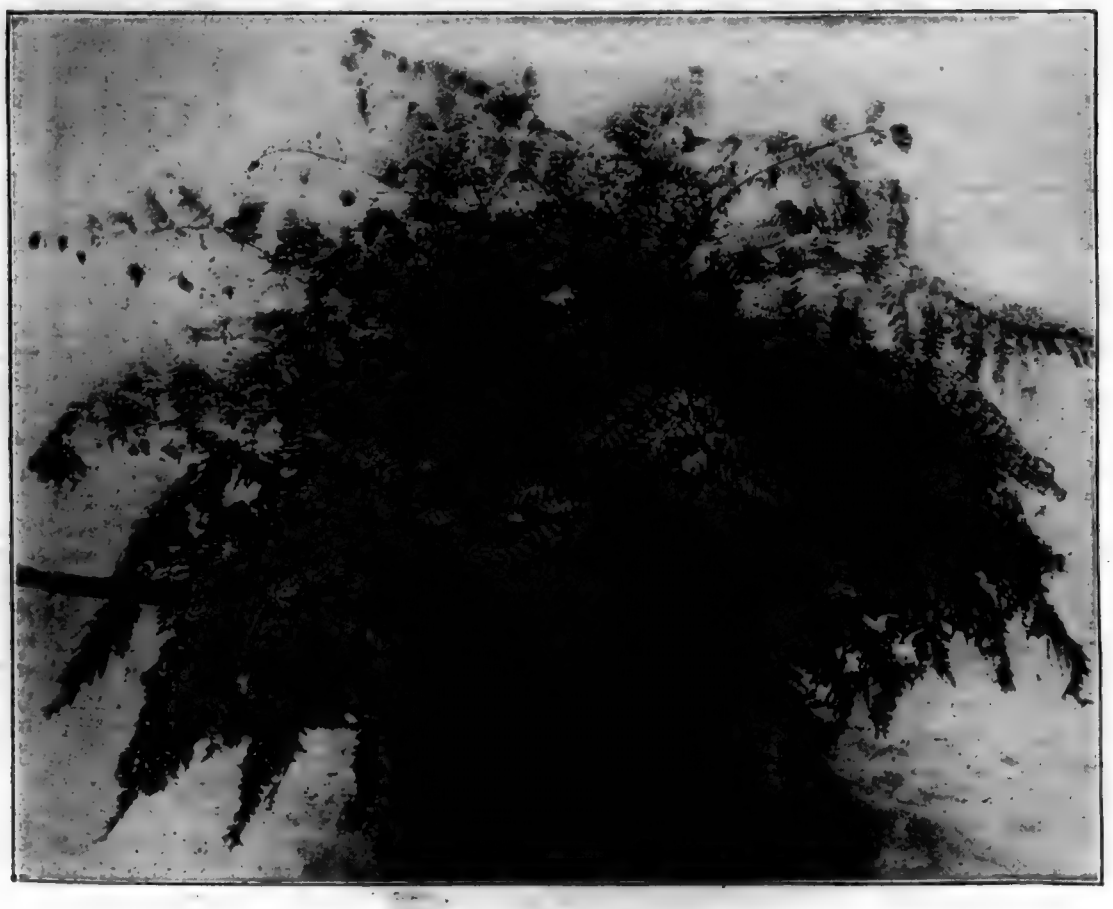
THE WEEKLY
FLORISTS' REVIEW

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Vol. 1. CHICAGO AND NEW YORK, APRIL 7, 1898. No. 19.

MICROLEPIA HIRTA CRISTATA.

Several of the microlepias may safely be listed among the useful ferns, the members of this sub-genus in general being not only graceful and pretty, but also quite easy to manage.



Microlepia Hirta Cristata.

The special subject of our note, M. hirta cristata, is a free growing fern of very graceful habit; its long, drooping fronds being finely divided and the tips much crested. The stems are quite downy, and inclined to straw color, though varying somewhat according to the condition of the plant, and the whole frond is soft to the touch, being more or less downy throughout. But for all the softness of the foliage of this fern, it will bear quite a good deal of exposure, providing the plant is abundantly supplied with water, but if allowed to get thoroughly dry once or twice its usefulness is gone for a time at least. As an exhibition plant this fern is excellent, its pale green fronds being very effective, and in a good specimen the pot or pan in which it is grown will be almost entirely veiled by the abundant foliage, a plant 5 to 6 feet in diameter having been grown in a 24-inch pan. M. hirta cristata flourishes in a temperature of 65 degrees and also enjoys a rather strong soil, sandy loam with a liberal quantity of dry cow manure giving a good result.

As this plant is not a very deep rooting species, pans are preferable to pots for large specimens, and these should be well supplied with drainage. The usual method of increasing the stock of this fern is by division of the crowns, the latter being so multiplied that a large number of young plants may be secured by careful division, and these divisions being potted up into small pots and kept rather close for a time, will soon start away.

Spores are produced but sparingly until a plant attains considerable size, and consequently are not depended on to the same extent as division.

W. H. TAPLIN.

OUR LONDON LETTER.

[From our London Correspondent.]

Spring is dawning again in the British Isles as these notes are being written. Crocuses give glints of brilliant color to the London parks and the grassy slopes of the Royal Gardens, Kew, where during the past few years hardy plants have been grouped and massed in effective ways. The past winter has been phenomenally mild, almost summer-like in its warmth and sunshine, but a cold snap in late February fortunately checked the opening buds.

A Splendid New Anthurium.

This is a delightful acquisition to the many fine anthuriums in our gardens. It was shown by Sir Trevor Lawrence, Bart., at the February meeting of the Royal Horticultural Society, and has large, bold, shining spathes of a salmon-red color, a pleasing and uncommon shade. It is not one of those

hybrid kinds praised too often for their singularity rather than decorative value. This kind will, no doubt, become the anthurium of the future. A first-class certificate was awarded to it by the floral committee.

Azalea Grandiflora Alba.

This is another remarkably useful azalea. Its flowers are snow-white and nearly eleven inches in diameter. The plant shown was not very strong, but one can scarcely judge of its vigor from a single example of a new kind. It is, however, evidently very free-flowering.

The Great Quinquennial Show at Ghent.

British nurserymen are looking forward to this exhibit, which takes place once in every five years in the famous Ghent city of Belgium. This year it promises to excel previous shows, but that is a bold statement. It must be difficult to eclipse the glories of 1893, when the groups of rhododendrons, and in particular azaleas, created splendid masses of color. But this exhibition does not equal in interest and variety the Temple shows of the Royal Horticultural Society.

New Orchids.

I should require many columns to describe the new orchids that are shown during the course of the year in the various exhibitions. Hybrids increase and multiply, but I must mention that a glorious variety of Odontoglossom Wilckeanum called Pittae, was exhibited recently. The blotching of brown on the rich yellow ground was very rich. Baron Schroeder, of The Dell, Egham, showed a gem amongst Odontoglossoms, a variety of O. Crispum named after Baroness Schroeder. The flowers were of intense coloring, almost suffused with deep blood crimson, with white tips to the sepals and petals. The baron has probably the most valuable collection of orchids, varieties of Odontoglossom crispum in particular, in the world. Perhaps I may some day write you about these treasures.

SIMPLE FLORAL ARRANGEMENTS.

A Cluster of Hyacinths.

When the florist must provide a number of lots of flowers to be used for the same occasion, it is well to avoid repetition, and to make the contributions show as much tasteful and pleasing variety as possible. For this purpose the various shades of hyacinth flowers may be used to advantage, during their season, and are much liked by certain flower-buyers.

Their stems are brittle, and the spikes of flowers heavy; consequently they need care in arrangement, and a good stiff backing to properly support the flowers. Some of their own foliage should be allowed to show, and the thick, soft stems should not be too evident in the finished piece.

The illustration is made from a photograph of a very large cluster of purple and porcelain-colored hyacinths, on a backing of dicksonia fronds, finished with adiantum, and a bow of purple ribbon, and with card attached.

W. T. BELL.

CHRYSANTHEMUMS

CHRYSANTHEMUMS.

[From advance sheets of the Florists' Manual, by William Scott.]

For a hundred years the chrysanthemums have had periods of great popularity and then of neglect. Perhaps it would be safe to say that with the American public the tide of present popularity is not just at the flood and the craze of 10 years ago has slightly subsided, yet not to any great extent. There is no longer a dozen firms each sending out a new set annually at Klondyke prices, for which we must be devoutly thankful. An aspirant for public favor now must be about perfect and a slight advance on preceding kinds. A few new ones each year is an abundance and even those are offered at a price that allows us to give them a trial. We do not believe that chrysanthemums will ever drop from public favor, as say for instance the camellia, for it has many noble attributes to make it annually welcome. The perfection to which they are now grown is something former generations knew nothing of and the flower-buying public of 30 years ago was so insignificant compared with today that it could be truthfully said to be non-existent.

The commercial florist is interested mostly in the cut blooms and to a much smaller extent in a medium sized plant in a pot. Cultural directions for both will be found below. The standards and large specimens are left to the private gardener who has time, money and space.

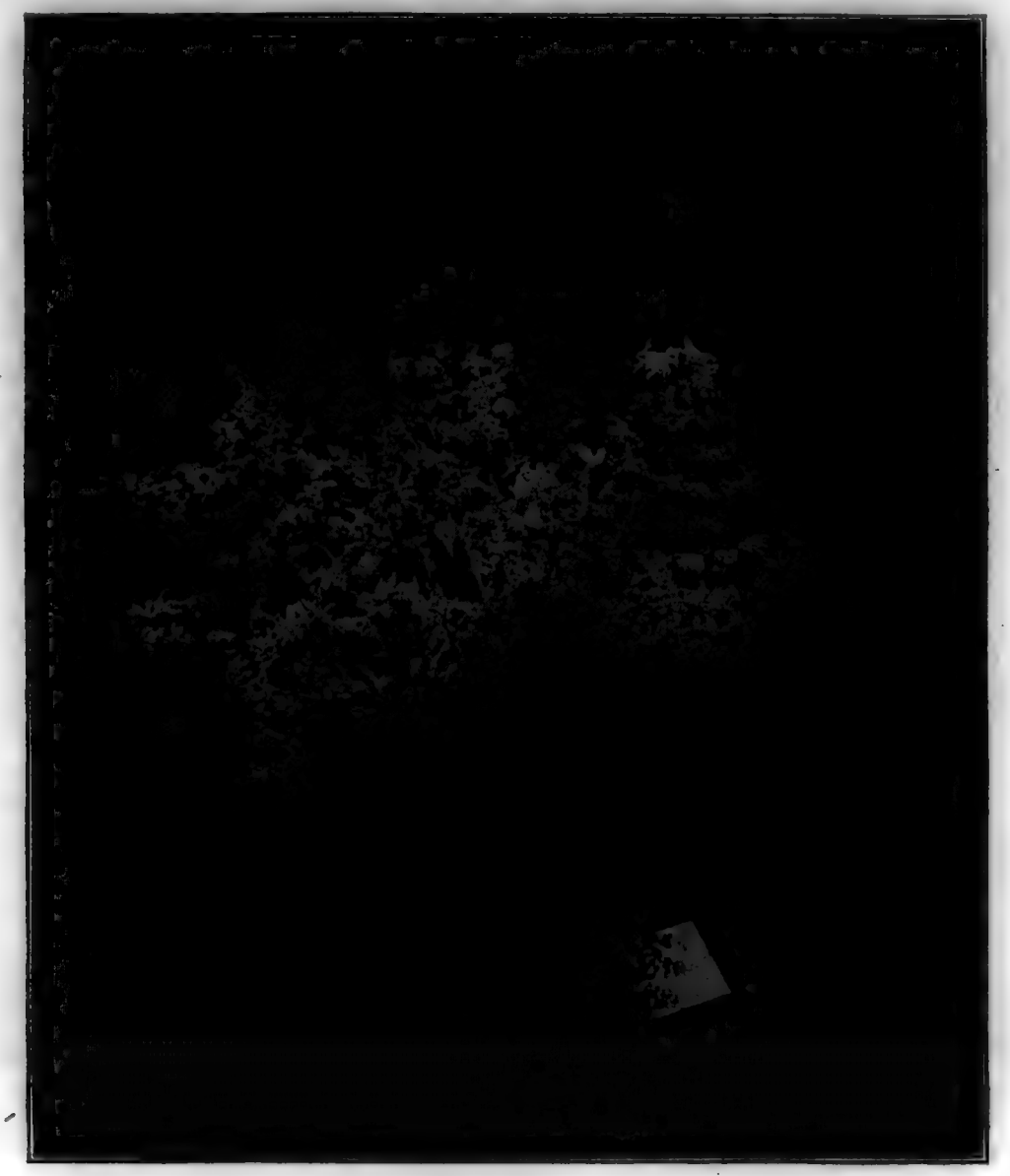
A Commercial Flower.

Take note during flowering season of varieties wanted for your next season's crop and remember that if few varieties are grown it simplifies labor and expense, and there are so many to choose from that color, form and season can be all covered by varieties that you have found easy to grow. Select plants for future stock that have produced the best flowers, marking them before the flowers are cut. Lift sufficient plants and place them in flats, keeping them after first watering rather on the dry side in a cool house until time to start them growing to produce cuttings. Do not use any weak shoots for cuttings. Throw them away, it will afford room for the stronger to develop. Chrysanthemums root readily in sand or finely sifted coal ashes in an ordinary propagating bed until end of May or early June. After that date you will be more successful with a bed in a cold frame, shaded with cloth, lath or shaded glass tilted back and front to insure a free circulation of air; and the bed must be kept copiously watered; this is very important. You often see chrysanthemum cuttings drying and wilting in June and July. They have been allowed to get dry or the sun has been shining on them, so water copiously twice a day in fine weather.

The best time to propagate varies with the different varieties and the size of flowers wanted. For large, long stemmed flowers of early varieties, such as Ivory, Bergman, Bonnaffon (Bonnaffon can be grown early) and other dwarf sorts, February is not too early to put in the first batch. From that time on propagating can be continued until August. For late flowers, many of the free growing varieties do well and produce fine flowers on side benches from late cuttings. Those propagated as late as August can be planted on the benches direct from propagating bed without any potting, and will grow from the start if kept sprinkled and shaded for a few days during the hottest hours of the day. Earlier rooted cuttings that have to be potted will want a 2 or 2½-inch pot. Let them be well rooted before potting. Use a moderately heavy soil and not too rich. When well hold of the soil in the pots a side bench of a carnation or violet house will suit the young plants of most varieties finely, always giving them as much air as possible and room to grow without drawing up. The earliest struck batches will require a 3 or 3½-inch pot before planting out time. Some of our finest varieties which have a tendency to produce a flower larger than the stem can hold erect will be greatly benefited by having 3 or 4 weeks out of doors before planting on the bench. Such varieties which are weak necked should be grown slow and hard wooded and should never from the time they are rooted be allowed to attain a soft, rank growth.

The early varieties should be planted on benches in four inches of soil; raised benches with good drainage will enable you to control the growth and ripening of the wood. The late varieties are all right in solid beds, providing the texture of the soil and drainage is right.

A heavy, free loam that the water



A Cluster of Hyacinths.

SIMPLE FLORAL ARRANGEMENTS.

will pass through freely, with the addition of one-fifth of rotted cow manure and a liberal sprinkling of pure bone flour will be an excellent compost. A "liberal sprinkling" is rather indefinite, so I will say one pint to a bushel of soil can be used safely. If it were mixed with the soil a month or two months before planting, so much the better. The chrysanthemum is called a free and even rank grower, but over rich soil produces very large soft flowers. The flowers produced on a soft forced growth are in poor condition to withstand the handling they have to undergo before they reach the retail counter and to produce durable, firm flowers a well matured growth of the wood is as necessary as is a good dry house and abundance of fresh air.

This unnaturally stimulated growth may not be the whole cause of the rust, which is fatal to some of our best varieties, but it is certain that it renders the plant in an excellent condition to be attacked by the disease. The rust usually appears in September and later when there is promise of great flower buds. It is then that we are subject to great changes of temperature; if the growth is soft, produced either by too rich a soil or too much water at the roots or even too much moisture in the house, produced by water not draining off freely under the paths and benches. That grand variety Golden Wedding has been grown in the neighborhood of Buffalo since its introduction. We hear of its failure in many places, but where there is no stagnant water in the house, and the roots have received it sparingly, and planted in a soil that water passes freely through, I have not seen a vestige of disease on it. This grand golden yellow will hold its own with any new varieties, particularly when the grower will learn to withhold water. It cannot be done right in a soil that the water does not pass freely through. To sum up this particular point, encourage a free growth till buds are selected, then gradually withhold water which matures the wood and assists bud formation. To the inexperienced let me say that no serious check in growth must be given but merely less water than formerly, which will firm the growth.

For early varieties, where crown buds are used, care must be taken not to resume free watering until the buds are well formed, otherwise we will not get perfect flowers, but many unsalable ones. After the buds are well formed the judicious use of animal manure, either in the shape of a mulch or liquid, is safe and beneficial. I prefer to apply in a liquid form, as we can keep better track of the condition of the soil.

While a free circulation is at all times necessary as well as keeping the house dry, from the time the buds show color till the flowers are cut, a gentle fire heat should also be put on as soon as we get cool, damp weather and the ventilators kept open day and night as long as possible. A sprinkling of air slaked lime at intervals through the growing season under the benches and walks will keep the atmosphere sweet and help the plants.

The chrysanthemum is afflicted with most of the plant enemies we have to contend with. The black, yellow and green aphis can be kept down with a moderate but regular smoking, but make sure to clear them of all aphis before the buds are far advanced. Thrip and red spider sometimes make their attacks during hot spells, but can be kept down by a proper use of the hose.

When the young plants are set in the soil of the bench give them a thorough watering to settle the soil around the roots. Plant all varieties firmly. For tall growing sorts inclined to weak stems, a uniform pounding of the soil after the plants have made new roots will make the root action slower and stronger and the stem will be correspondingly stronger and shorter jointed.

Be always very careful when watering, particularly with the early varieties, and a good look over the bench before you begin will let you be aware of spots in the bed that may go another day or two. I have often noticed that where all parts of the bench were watered alike, the outside rows came into flower considerably earlier than the interior plants. The outside rows getting more light and air dry out quicker, thus hastening bud formation. By care in keeping the bench at an even degree of moisture you can bring in a crop evenly, which is a consideration both as to price you get for your flowers and your ability to clean up the bench for succeeding crops. Syringe during the growing season once or twice a day, as the weather may require, but always carry enough to allow foliage to dry before night.

In using liquid manure do not apply when the soil is very dry. If applied after a moderate watering there is less danger of over feeding, which should be discontinued entirely after the flowers show color. In concluding these rather lengthy remarks on watering I will say when you do water be sure that it is enough to wet the soil clear through to the boards of the bench or bottom of the pot as the case may be. When you have acquired the science of watering and practice it carefully, wisely and faithfully you will have gained about 17 points out of 20 towards being a good gardener.

August the 10th is as early as it is generally advisable to take the buds of

the earliest varieties and those will be "crowns." In taking or selecting buds the side growths must be taken out as soon as large enough to rub off with the thumb and the plants kept quiet until the buds are well formed. The crown being an unnatural bud requires considerable care to insure its producing a perfect bloom. Terminal buds are the safest and in most varieties produce the best flowers, while crowns are earliest and should be used for that purpose if properly understood.

All flowers should be cut and placed in water at least 18 hours before being put on the counter or shipped to the retailer. Varieties that easily drop their petals, as some of the most beautiful do, and yet desirable, should be in water 36 hours. This will harden the flowers and hold the petals. If the flowers are to be shipped it is time well spent to pack with the greatest care so they arrive at their destination as perfect as when they were cut.

I know of no better way to tie or support the stems of chrysanthemums than by running wire across the bench near every row and a corresponding wire above the plants keep the upper wire well up. From the wire on the bench to the one above run a string for every plant. The cheapest string you can buy is good enough. This is easily disposed of when the crop is cut. You may throw away the bottom wire but the upper one is not likely to be in your way and will do duty for several years. Anyone adopting this plan will never again resort to stakes of any kind, unless it be for late struck batches on side benches.

Chrysanthemums can be planted much closer than they often are, but that will depend on how many flowers you intend to grow to each plant, and that again is controlled by what your trade demands. Three at the most is all you should expect from any plant, and I believe it most satisfactory all 'round to grow but one stem and one flower on any plant, and then plant thickly. The rows 8 inches apart and the plants 6 inches will do for all the moderate-sized flowers; for very large specimen flowers, 10x8 would be better.

Pot Chrysanthemums.

For several years the demand for these has not been at all satisfactory. I believe there is only one way to profitably grow a moderate-sized, healthy pot plant, that will keep its foliage and really be respectable in November. Choose healthy, young plants, that have been propagated in April. If they have been stopped once and are in 3-inch pots, so much the better. By the middle of June you will have some vacant benches to spare by bedding plants which are gone, or you may throw away a bench of carnations. Five or six inches of soil on the bench will do, and even if it has grown carnations the previous winter, is good enough, with the addition of bone flour and a little rotted manure. Plant 15 to 18 inches apart. They will make a fine growth during summer and should have all their growths stopped at least twice before lifting. You have them under perfect control by this method, and can keep them watered and syringed, as well as keeping the aphis subdued. The first of September, neither three days before nor after, is the time to lift them, which should be done with a digging fork, and by getting the fork down flat on bottom of bench you need not lose a fiber. These plants grow a great deal after lifting, so don't crowd them into too small a pot. We find a 6, 7 and 8-inch suits the different varieties. A few days of shading and a frequent syringing and they will have taken hold of the new soil, when you must give them a light, airy house. These plants on an average have 12 to 20 buds, each bud disbudded to one flower. Most of them can be tied by one stake in the center and thread or raffia leading to each branch; larger plants, such as Lincoln always makes, will require several stakes; but let them be always small and inconspicuous. Only a few varieties are adapted to this purpose. The short jointed, dwarf varieties are the ones, and of all varieties that I have tried, Ivory and Lincoln are the ideals. Maud Dean is pretty fair, and so is Bonnaffon.

W. S.

CHRYSANTHEMUM NOTES.

Early Varieties.

Cuttings should now be rooted of all the early kinds, because if they are rooted in good season it helps on their natural tendency to come in earlier. Of course a grower always grows such kinds as best suit his market, and to the retail florist a few good early flowers are very useful. Personally we don't care to have many of the earlier kinds, though sometimes they sell better than the mid-season varieties, for at that time the usual glut has forced prices down to bedrock.

Quite a list of early kinds can now be had to select from. Lady Fitzwygram, Mme. Bergmann, Glory of the Pacific, Merry Monarch, Yellow Monarch, Marion Henderson, J. E. Lager, and so on. We are content to wait for Mrs. Robinson in the whites. It generally is in good shape for cutting by October 15, and when it does come all other whites fall far behind. Glory of the Pacific is a very good pink. It is vigorous, has a good stem and excellent foliage. Henry Hurrell is a comparatively new early yellow variety of promise, and will be grown quite extensively this year. Among other good points it is an excellent keeper. J. E. Lager is also good in the yellows. The two namesakes of Lager and Hurrell make as good a team as the originals, who, I suppose, since they went into the orchid business would refuse to acknowledge the poor but honest "mum."

New Varieties.

Plants of some of the new kinds are to hand, some good, others spindly and weak enough to cause one to ask with suffering Cuba: "How long will these things be?" Still novelties we must have, or get left in the march of progress, and I suppose with some of these we are liable to get left anyway, so what's the use of grieving. I have read that a man puts the stamp of his own individuality on the plants he grows, and if this be so there must be some consumptive looking, spindle-shanked "mum" growers around somewhere. When plants are received the best thing to do with them is to take off the tops for cuttings as soon as practicable, and send the old plants "where the woodbine twineth." By so doing you remove the possibility of introducing any disease to your own plants, a remote possibility, perhaps, but it is best to make sure, and the cutting, if you root it yourself, will ninety-nine times out of a hundred do better with your system than the old plant would have done.

Cleanliness is a very important thing to keep in mind around a cutting bench. Every morning the bed should be carefully looked over and any dead or decaying foliage should be at once removed. This may not look very important, but if it be neglected with some varieties, like Golden Wedding, that are prone to disease, first thing you know it spreads through the whole batch and for all the good they will do you, they may as well be cleared out right away.

C. TOTTY.

WINTER IN MEXICO.

I send herewith a snap shot of a winter scene down in the city of Guadalajara, Mexico, which will show something of the way the park superintendent does his work there.

The railroad journey from here at the frontier down the line of the Mexican Central to Irapuato is devoid of any special interest to the traveler, unless it be the miles upon miles of mountains with their untold wealth of gold and silver, the great plains covered with long horned cattle and the quaint Mexican towns perched along the mountain sides and in valleys, the white "adobe" (big sun-dried bricks) houses glistening in the bright sunlight most beautifully. Mexico is known as the land of the sun; but the trouble is that the sun is so decidedly too much of a good thing taken with the plateau elevation of from 4,000 to 8 000 feet, that it knocks the florist's dreams into a cocked hat.

Irapuato is what is known as the "strawberry station," from the fact that one can have there strawberries practically every day in the year. Right here let me say that the Mexican strawberry is the nearest to an everbearing plant that I have ever seen. I have been over the line several times



Winter in Mexico.

at different seasons of the year and have never yet failed to have some strawberries for breakfast. Some of the horticultural writers in the States, however, are inclined to ridicule the idea of an everbearing strawberry plant. But they will see stranger things than this in Mexico.

Leaving Irapuato it does not take very long to get into the midst of the orange and banana groves that line the way to Guadalajara. I do not attempt to name the trees shown in the photo, although everybody will readily recognize the banana, which is the ordinary banana of commerce. The tall tree near the banana is a beautiful tree and looked decidedly graceful when swayed by the wind. The little umbrella shaped tree seemed like a kind of gnarled mountain oak in form, although its odd appearance made it all the more a curiosity to me. The three youthful representatives of Mexico did not seem to care whether school kept or not; and by the way they were dressed it will be readily seen that "the night fireman" is there an unnecessary article, as well as the day fireman for that matter. However, this is just as well, because a bouquet which would cost in the states from $1 to $2 American money would cost in Mexico 37½ cents Mexican money, or about 18 cents of our money.

Talk about camellias! Just go to Mexico City if you want to see them in all their glory. The florists get a decent price for them also. The 8,000 feet above the sea level seems to be just the ideal place for the camellia, and they are to the Mexican young maiden what long stemmed Beauties are to the young girl of the states; but I believe the young man of the States gets off easier financially, because in Mexico in addition to the opera, birthday, etc., there is the patron saint's birthday for whom she may be named which must be remembered, as well as the many, many feast days in the course of the year.

I. A. BARNES.

El Paso, Tex., March 10, 1898.

ROSE LEAVES TURNING YELLOW.

Can you explain the cause of the enclosed rose leaves turning yellow and dropping from the plant? The leaves dropped from plants of K. A. Victoria that were in good growth and bearing well. Have had the same trouble with Perle and Bridesmaid, but not nearly so much with the latter as the former. Is it due to too much water, not enough, or is it simply a case of old leaves near the bottom dropping off from age? M. B.

The rose leaves have been examined, but in themselves they give no clue to the precise nature of the trouble. If they were growing upon the lower portion of the plant they may have become yellow with age, having served their day. Should these leaves have occupied a higher position and been of recent growth they would indicate that the plant is suffering from one or more of many things. There might be an insufficient root action due to the rose root gall. This is easily determined by removing the plant from the soil and noting the presence or absence of minute galls that when in considerable numbers will cause the whole plant to take on a yellow, sickly color. It is possible that the roots are not sufficiently active and not infested with galls, as is true of all plants. It is not to be presumed that there is lack of food and that the discoloration is due to partial starvation. A similar state of things could be brought about by overwatering or by having the soil too dry. It is possible that the leaves have been scalded or injured by the sun or too hot a temperature in the house. It is not probable that the injury is due to any poisonous fungiation.

One would need to know more of the antecedents in the case before suggesting any remedial measures.

BYRON D. HALSTED.

RECIPROCITY IN PLANTS.

There are two systems in every well established plant, namely, that of the roots and that of the leaves. The chief function of the former is to absorb the liquid of the soil, the soil water, and that of the leaves to condense the liquids absorbed by the roots and make them over, under the influence of the sun, into the substances that may be used thereafter for the growth of the plant.

It goes without lengthy explanation that there must be a direct relationship between the amount of root surface and that of the leaves, the one for taking up water, the other for exhaling it. Should there be any reason for an increased loss of water at the leaves due to a dry atmosphere and a hot sun, it is easy to see that there would be greater demands made upon the roots. If these demands are not honored it only remains for the leaf surface to be diminished or the evaporation be checked in some other way. A smaller exposed surface in the foliage is brought about by a folding of the leaves or leaflets or a coiling or rolling as in long narrow blades like those of grasses. A substantial check upon the escape of water is brought about by the closing of the millions of stomates or breathing pores found in the skin of the leaves. As the water in the leaves diminishes below a certain amount the leaves are wilted, and these "mouths," before wide open, become closed. This, with the increased root action, enables the plant to get through the hot day, and as soon as the night comes the roots are able to fill up the leaves again, and by morning all are plump and ready for work.

But it is with a newly set plant that we are most interested when vegetable reciprocity is considered. We sometimes forget how delicate is the relation established between the roots and the soil, and when a plant is transplanted the roots may be broken and thousands of the fine root hairs destroyed. The whole absorbing apparatus in short has been upset, and only time under the most favorable circumstances can bring order out of chaos that has resulted from the transfer. New root hairs need to be made in order that the required intimate relation may be restored between

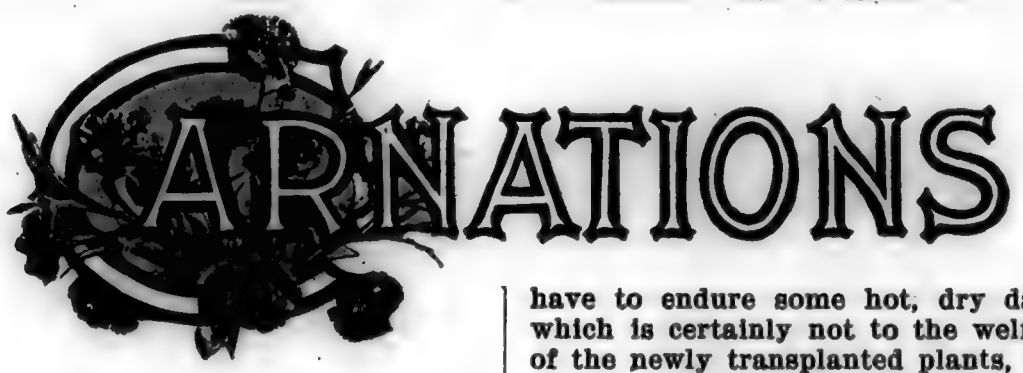
roots and soil in the new situation. This needs to be done at the expense of food already in the plant, and before the soil water can be absorbed and sent up to the drooping foliage.

During this period the leaves are of very little use to the plant and often a positive damage, because the exposed surface is too large and the whole plant may dry out so much as to be beyond recovering when the roots have made their active union with the soil. The foliage therefore of a plant to be transplanted, as a rule, should be reduced, provided the surrounding conditions are not under control, for it is possible to reduce the loss of water from the leaves in small potted plants by having them in a cool, moist place where they will not dry out. But with out-of-door plants this is not usually possible and then the leafage needs to be reduced. In short, if one system is suffering, the other needs to suffer with it, and if the roots have been pruned the branches bearing leaves need to be pruned to establish the proper relations between the two.

In this connection it should be borne in mind that frequent watering of the soil of a newly set plant may be injurious. It does not need floods of water so much as time to make new roots and root hairs under the most favorable conditions, which are not in a water soaked soil.

BYRON D. HALSTED.

Rutgers College, April 2, 1898.



EARLY AND LATE PLANTING OUT.

The time for propagating soon ends. It becomes rather a difficult task to root cuttings successfully in a higher temperature, as we have to expect now, and in fact have already experienced. Two or three days of dry, warm weather, which will make it impossible to control the temperature in the house, will give them a setback that will very much lengthen the usual time to root, and diminish the percentage of the crop of well rooted cuttings. This will not very materially change the quality of them, as they come from the sand, but the advantage of an early planting for a successful summer growth cannot be overestimated, and these delayed cuttings can certainly not be equal to the earlier propagated ones, now growing on in flats or pots, or planted out on shallow benches, ready for an early transfer to the field. Of course much depends on circumstances, an early or late spring, moist or dry weather. In my experience I have had as good success with these late propagated plants as with the early ones, but these are exceptions.

In an early planting we are often confronted with many aggravating circumstances injurious to the freshly transplanted plants that often vary with each season. Our planting time, as a rule, is the month of May, but it is preferable if we can accomplish it earlier; if we can get them out in April so much the better. But even in May we may still encounter severe frosts, and as early as in April we may have to endure some hot, dry days, which is certainly not to the welfare of the newly transplanted plants, and results often in serious consequences. So in an early planting-out, all depends on the condition the young plants are in; if they were kept in a well ventilated, sunny house and in rather a low temperature, just warm enough to keep them in a growing condition, they will be well hardened and neither a late frost nor early warm, dry days will affect them very seriously. This is the advantage of early propagated plants and well kept, hardened plants, thus being in time to take advantage of chances as they may present themselves.

But there often occur circumstances that deprive us of this advantage; we have to do with later propagated plants; our stock is not large enough to furnish us the desired quantity of suitable cuttings at one time; we have to depend on a later growth. Delay may occur from a hundred and one different sources, and we may be compelled to use plants of a late propagation. To alleviate conditions of this kind the best way is to treat such plants the same as you necessarily treat your early plants. Pot them up in 2-inch pots and transplant from these pots. This may seem a delay and additional work, but this work is well repaid in their advanced growth, in their more fitting condition for the transfer. Use a light, rich soil that contains well decomposed, ready food, and keep them in the pots, if only for 12 or 14 days. This will enable them to take up some nourishment and cause the roots to start and fill the little pot. You have them under your control, can shelter them from inclement weather which they would have to endure unprotected. To say the least, to transplant from the sand to the open field is a very hazardous undertaking.

I very much prefer to transplant from pots; the little balls are a network of roots and remain intact, the transfer being hardly noticed by the young plants, if care has been taken not to grow them too soft. If the roots appear matted they should be loosened and partly torn away, but without breaking the ball. All the stock intended for our own use is potted up as it comes from the sand, and if of early propagation, shifted into larger pots if necessary. It often occurs with us that in many varieties, when orders have to be filled and stock runs short, that our lot is the last batch of cuttings, and to my experience with careful treatment I have found no other detriment than a later blooming in the fall. When these little plants have no chance to make much growth in the spring, they have to make it up in the fall, and hence the delay in maturity and freedom in blooming; they will most always establish themselves to endure the summer heat if treated properly.

With this I would not like to be understood as encouraging late planting, for it will never prove so profitable as an early planting, but as I have said before, circumstances may compel one to do it. Anybody can grow plants and flowers if conditions are at all times as they should be, and it is just as important to know what to do under adverse circumstances, for this makes the skillful grower.

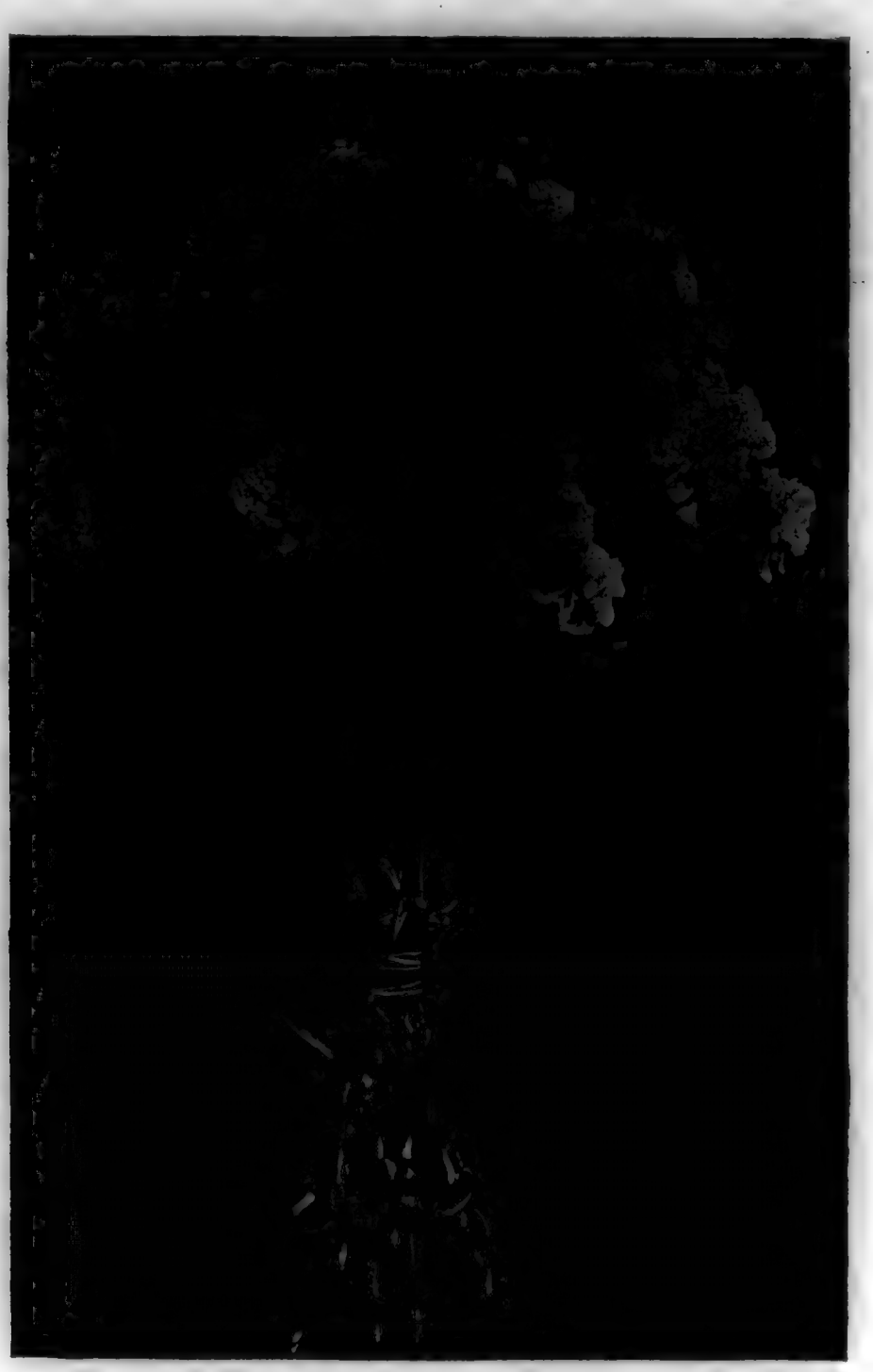
The assertion that late propagating and planting out will help to degenerate the stock, I do not believe, and it should not be confounded with the results of early and late planting, as far as profit is concerned. Early plants have the advantage of a spring growth, mature earlier in the fall, are of larger size when housed, and are consequently earlier in blooming, while late plants have to make their principal growth in the fall, come later into bloom, and consequently cannot bring so many blooms through the season and are therefore less profitable. Now according to my experience there is one other important point: The late plants furnish me the best and healthiest cuttings at the right time.

FRED DORNER.

AMERICAN CARNATION SOCIETY.

Efforts are being made to increase the amount of subscriptions to the permanent fund, the interest of which is to be used to pay the running expenses of the Society. About $400 was subscribed at the Chicago meeting in sums of $25 each. Secretary Herr invites others interested to add their names to the list of subscribers.

The committee appointed to investigate the legislation on plants, etc.,



A Bunch of Genesee Carnations.

pending in Congress, urges every member to send a letter to his Congressman asking that a section be included as follows: "That the provisions of this act shall not apply to florists' greenhouse trees, shrubs, plants, bulbs, etc., commonly known as florists' stock," and stating in the letter: "I desire the addition of this section on account of the very perishable nature of florists' stock, which would not allow of its being held in transit or opened for inspection, and on account of its entire freedom from San Jose scale."

Such action need not be confined to members of the society, and every member of the trade would find it to his interest to do all in his power to avoid the application of the proposed legislation to greenhouse plants, as it would otherwise cause the trade much useless annoyance and expense as well as occasional loss through damage by delay.

CARNATION GENESEE.

We present herewith an engraving from a photograph of a bunch of flowers of the new white carnation Genesee. By many good growers this variety is considered a coming white of the most profitable type, the plants producing with remarkable freedom and regularity. It was originated by Messrs. Harmon & Burr, Darien, N. Y., and is being introduced by Mr. D. B. Long, Buffalo, N. Y.

BOTANY—IT'S AID IN GARDENING.

[Read by Mr. Jas. J. Scott, at the meeting of the New York Gardeners' Society, March 12, 1898.]

There are many sciences which merge themselves into gardening, namely, chemistry, biology, etc., but botany is horticulture's allied science, and there is scarcely a phase in the gardener's work in which it does not assist him. Scientists have for convenience divided the science into many divisions, such as morphology, anatomy, histology, etc., but it will be sufficient for our present purpose to treat (and that only in a very general way) the matter under two heads, viz.: structural and physiological.

In taking up the study of a given subject, one naturally, first of all, acquaints himself or herself with the external form and appearance of the subject in hand, and before we can fully acquaint ourselves with the different forms and parts, we find arrayed against us a host of big names that at once dampen our ardor, but if we set about and learn first how to spell these names, then trace their etymology, the barrier soon vanishes, and the actual working of the thing becomes interesting. This is how it is in botany. It is necessary to know the forms and parts; the rest is easy.

The gardener who has no knowledge of the external structure of leaves, stems, roots and branches, who does not know the names that botanists have for convenience applied to the different forms, who cannot distinguish botanically between a "thorn and a spine," or between a reniform and a hastate leaf, or between the many forms of leaves, fronds, bracts, etc., must find it a laborious work to hunt up any variety of plant in such a work as Nicholson's Dictionary, or any botanical manual, not to speak of the ordinary nurseryman's catalogue. Even though it were for no other purpose than to be able to trace plants in any such work as these, the knowledge is of vast importance, and he who once acquires the knowledge will never regret it.

Physiology.

Let us now look at the inner working of the plants, and the phenomenon attendant upon life.

The economy of nature is so complete that its very completeness adds to our negligence and lack of appreciation.

We have the vegetable kingdom on the one hand, acting as passive storers. On the other, the animal kingdom fulfilling the role of active spenders. The vegetable kingdom is changing the kinetic energy of sunlight, atmosphere and mineral matter into potential energy. The animal kingdom is again changing this potential energy, this storehouse of materials, into kinetic energy, and thus the course goes on. Animals are fast changing the oxygen of the atmosphere into gas, vegetables are using it in building up new tissue and liberating to us the oxygen. Plants and animals are both alive, both alike, but not equal. The senses of animals are centralized, plants are not. Plants and animals have however one synonymous quality—namely, their untiring effort to produce progeny after their own kind.

In the vegetable kingdom the processes of reproduction and growth very much resemble a see-saw. We

often observe, especially among fruit trees, that we have one year fruit, the next year growth, when we have fruit we have no growth, when we have growth we have no fruit; growth resuscitates life, fruiting spends it.

Science teaches us that in both the animal and vegetable worlds, reproduction requires of its host the highest elements they contain, using up their most costly products—phosphates, nitrates and albuminoids. Here nature teaches us a lesson which we very seldom heed, we hear it often said: "Last year was the apple year, this year it would be unreasonable to look for any." We heed the saying—rather than nature. Others again believe that an over crop of fruit is sure to kill any tree, so after the fruit is set and partly developed, they forthwith commence to thin it out. "A half loaf is better than no bread." But if trees are expected to live and flourish every year, if we expect to gather quality of fruit, nature says, "Thin out the flowers," by doing so we save a large amount of energy, and we also give to the flowers that are left, a much better chance to develop and fertilize. In cut flowers such as chrysanthemums, carnations, roses, etc., we fully realize the value of this, we assist nature, but we seem to forget the teachings of nature altogether in fruit trees.

Another instance in this line is the securing of the hay crop. Just before the hay is cut we often see on bright days, clouds of pollen flying in all directions. I sometimes wonder if it could be possible to form an estimate of how much is annually wasted in this way. The soil has yielded its best elements, the hay has lost its finest flavor, and the roots are debilitated in consequence.

Roots.

We might next consider briefly one or two things connected with roots. Roots of course have several functions such as fixing, absorbing and storing. They absorb all the food the plants require for building up new tissue—with the exception of gas. All the food is absorbed in liquid form, and is accomplished by the young growing roots or root fibrils. The roots in their disposition are very unlike stem and branches; while the branches are symmetrical the roots are asymmetrical, they are to be found in the largest number wherever the greatest influence is. In this they have a sense of discrimination; they twist themselves round any piece of charcoal, or bone, or other attractive substances. They are attracted by their influence, and of course the lesson would be to have the soils and manures well mixed, that the roots may be as symmetrical as possible, occupying to the full, the soil in which they ramble. Besides the presence of certain mineral constituents in the soil, there are other conditions required for the healthy growth of roots, the principal condition being free access of oxygen. Not only is oxygen required for the decay of the different organic substances in the soil and preparing them for absorption with the water, but all healthy roots require it to sustain the old and develop new cells. The soil should always be in a condition to admit air freely, not only from the top, but pots should always have air space below. In the cultivation of fruit trees and vegetables this is also useful, and the knowledge has been instrumental in doing away with the old fashioned obnoxious system of planting roots deep in the soil. I can remember some of our old gardeners planting trees 1½ feet deep. This knowledge has led men to be more rational, and 6 inches is usually the depth we find trees planted now. The old men were frightened for their trees being blown over, while we assist them with a stake. This surface rooting is much more observable in some trees than in others.

In the vegetable garden we do not cultivate continually to keep down plants that are not wanted, but rather that the surface may be kept open for the access of oxygen. This cultivation also serves another purpose. In dry weather we often find a hard crust on the surface of the ground. This is caused by the deposition of saltpetre and other salts. In dry weather evaporation is excessive, the moisture in the ground gets worked up, and sinks lower and lower till it reaches the permanent water level. Capillary tubes are formed and the water from the permanent water level is brought up with the salts in solution, the water is evaporated, and the salts are left, thus forming the crust. By hoeing (or cultivating) this crust is broken up, the capillary tubes are cut and the much needed moisture is left in the soil to nourish the roots.

These are well known principles yet I served under a gardener who held a good position, and he would not allow us to hoe amongst the vegetables in dry weather, for fear we would loosen the ground too much and let in the drought.

Leaves.

One could say a great deal about the form, structure and function of the leaf—but time will not permit. Leaves are literally the lungs of plants. They must have a supply of sunlight and they must be green; this green substance (chlorophyll) is formed only in the presence of light (an exception being in fern where a certain degree of heat is sufficient) and gas is only liberated under its influence. The gas of the atmosphere enters the leaf by means of small opening stomata, it is there decomposed, its oxygen is restored to the atmosphere, while the carbon is chemically united with the water and other mineral substances (from the roots) to build up new and organic compounds.

Plants also carry on a process of respiration, this goes on continually, irrespective of the presence or absence of light, but during the day-time the feeding by the decomposition of gas and assimilation is so greatly in excess of the respiratory act, that it completely overshadows it; during the night no assimilation is taking place, so the taking in of oxygen and giving off of carbon is more easily perceived.

It is owing to this process of respiration that the atmosphere of our greenhouses is always so heavy and dense in the mornings, and it is because of this that medical men tell us never to have many plants in our bedrooms.

Botanists do not readily go in for freaks in nature and they tell us that a leaf is not a leaf at all unless it be a green one; economically this is true, for it is only the green part of the leaf that is of any use to the plant; this is why cuttings of variegated plants are difficult to root, and why variegated plants are generally delicate.

Classification.

We might now consider very briefly classification. The system of classification as devised by Jussieu is everywhere recognized at the present day; unlike Linnaeus he takes into consideration the whole organization of the plant with its properties and habits. The principal thing needed in classification is a thorough knowledge of structure and an acquaintance with the general outlines of the different orders. A gardener with a thorough knowledge of classification is seldom at a loss to find out the name of a species or variety, provided he has good works for reference.

Besides the advantages which classification gives in finding the names of species and varieties, it also helps us largely in cultivation. Take for example the relationship of any of our orders, say the ericacae. Not only is there a similarity in external appearance but with very little exception the habits of life are the same. They all find themselves more or less at home in a soil mostly composed of peat or leaf mould and while they detest a sour soil, yet they love to be kept damper at the roots than the general run of plants; their roots being hard and fine, they naturally require this. They also have a characteristic aversion to lime. I served at one time under a famed heath and azalea grower and he would use nothing but rain water in watering his plants (the locality was one in which lime abounded); some were apt to call him eccentric, but his results proved that there was method in his eccentricities.

On the other hand if we take the order leguminosae, we find them quite the opposite, they more or less abound where lime is to be found. The Irish shamrock being an example of this—the country is rich in limestone.

The solanums again are more or less fond of carbonaceous matter. Cruciferae use up lots of potash and so on.



Free Cuba in Flowers.

Gentlemen I have already taken up much of your time, probably to little account, as I have already said, the subject cannot be given justice in such a paper as this. I have told you nothing new, perhaps have not even put it in a new light, but I trust enough has been said to warm some hearts to this delightful, profitable and healthy study, and perhaps to give renewed impulse to those who may have already given the matter consideration.

FREE CUBA IN FLOWERS.

The accompanying engraving is from a photograph of a display rcently made in the window of Mr. J. M. Gasser, the florist, Cleveland, O. It attracted crowds of admirers and excited much favorable comment. The local Cubans marched up in a body and voted it the finest display they had ever seen.

At the left appears the portrait of General Maceo in a frame of green galax leaves, with crossed sabres at top and crossed scabbards at bottom, with two large American flags as a background. At the right is a plaque, 26x30 inches, of green galax leaves bearing the Cuban flag. The star, three white stripes and flagstaff are of white carnations, the field for the star is made of red carnations, and the two blue stripes are of blue Dutch hyacinths. The plaque rests on a stack of guns with sword bayonets, the style used by many of the insurgents. The vases in the center contain Pingree carnations and Bridesmaid roses. The frame and back of the window had a covering of gray moss.

The arrangement was conceived and executed by Mr. O. A. C. Oehmler, formerly of Pittsburg and now with Mr. Gasser.

NEW YORK.

On Change.

The early part of last week was uninteresting from any point, except to the Greeks, who take immediate advantage of a glut of stuff and low prices. The latter part of the week, however, the market improved somewhat, though prices remained about the same.

The glut of Beauties is still on, the highest price for the most select long-stemmed flowers being 25 cents each, while some have been sold as low as $15 per 100.

A noticeable shortening in the supply of good carnations on Saturday sent the price up to $3 per 100 for select Scotts, the best all 'round seller in the market, while fancy varieties stiffened to $4.

Ordinary varieties of roses, like Brides, Maids, Testouts, sold from $1 to $6 per 100. A great many Jacks are coming in, which displace the Meteor at this season of the year, and realize from $4 to $8, according to stock.

Cattleyas are getting to be scarce as the proverbial hen's teeth, and most any price can be asked, though 50 cents is about the limit for fine flowers. A few Cypripedium Lawrencianum and miscellaneous orchids are to be seen, but not enough to quote prices.

Violets continue plentiful and the cold snap still here will help them considerably for Easter. Bulb stuff is still suffering, the price for lilies being a shade better, however. Adiantum is here in force, with smilax getting scarcer and more valuable daily.

For average prices, see New York market report.

Easter Forecast.

If the florists can induce the President to hold his war message over till after Easter, business will very likely exceed expectations; as it is, one might as well guess about the millennium.

Beauties will be here in unprecedented quantities, and there will be no scarcity of any rose stock, from present indications. Carnations are the only thing likely to be at all scarce, with violets and bulb stock in plenty. The quantity of lilies will depend largely on the weather and price on the demand.

As I mentioned before, business is entirely problematical, and there are no indications to work on at present. There have been no orders placed so far; the usual inquiries are prevalent, and a few outside buyers are here in person.

Various Items.

The regular monthly meeting of the New York Florists' Club will be held next Monday, April 11, and Mr. G. W. Watson, of Philadelphia, is slated to give an interesting talk on "The Florist Versus the Flower Show." The competition for the club's medals and certificates will also be held, and some interesting exhibits are already entered.

Mr. J. W. Scallen opened his new store last Saturday, though the formal opening will not occur till Wednesday, in time for the Easter trade, which promises to be fully up to previous years. He will also retain his old store till May 1. I noted in his store some of the old favorite rose, La France, large flowers and excellent color.

Among the Retailers.

I noted some very pretty Wisteria sinensis in one window, decked with narrow lavender ribbon to match; also some handsome growing hybrid roses. Mrs. John Laing and others, in boxes garnished with crepe paper and ribbons, which looked very rich. Pots of growing violets sell exceedingly well, and a few Crimson Ramblers in pots are to be seen. This rose is grown very largely now for Easter and is becoming very popular. Heaths and azaleas in variety are to be seen everywhere and make the stores very bright and attractive.

I dropped into the Bridgeman Co.'s store the other evening, and Mr. Bridgeman, who is a past master in the art of floral decorative art, showed me some examples of his handicraft. It was a souvenir night of the play, "Monte Carlo," and the stars were to be presented with appropriate gifts. One was a Dolly Varden hat, trimmed with sweet peas, swainsona (white) Bridesmaid roses and pink ribbon, on which were worked gilt letters. This is done by writing the motto in plaster of paris and gilding same. The other was an immense horseshoe, composed of leucothoe sprays for a background and lilies, Meteor roses, Maids, narcissus and maidenhair fern, and across the face was a broad ribbon upon which were five playing cards, "three

aces and two kings," representing a full house. Next!

In the window, which is always tastefully decorated, was a stunted and dwarf cherry in full bloom, quite unique.

Auctions.

The auctioneers' innings have come again, and quantities of imported nursery stock and miscellaneous home grown nursery and florists' stock are falling under the hammer and good prices are realized.

Mr. W. J. Elliott, who wields the gavel for William Elliott & Son, is a "chip of the old block," and eloquently sustains the reputation of this house.

Mr. John P. Cleary, of Cleary & Co., who wears a straw hat and has a "blanket" catalogue of large proportion, prefers knocking down lots to Spaniards and denies the rumor that he will shoulder an improvised hammer and start for the front.

PHILADELPHIA.

Business Brisk.

Business has been very brisk the past week. Easter plant sales are ahead of last year, and if the weather this week is reasonably clear—not seasonably, for it is April—there is every indication that this will be a great Easter. Enormous quantities of flowering plants have been sold at good prices. Despite war rumors there is a general feeling of confidence among the retailers.

Plant Novelties.

The best novelty offered is Crimson Rambler rose, Robert Craig being the leading grower. So confident was Mr. Craig of this rose's future as an Easter plant that he filled two houses with it, and the result has fully justified his faith. The plants, many of them enormous specimens, covered with bloom, have all sold at most encouraging prices, many of them going to other cities. Hydrangea monstrosa is also attracting attention, the plants being dwarfer than Otaksa and seemingly freer bloomers. Both genistas and deutzias are more than usually good this season, W. K. Harris having both in fine shape. Spiraea is hardly so fine, as a rule. It is thought that it has been grown on poor soil abroad. Azaleas are very fine, especially the plants carried over summer here. Many of the azaleas are greatly improved in appearance by having the lower shoots tied down. Lilies are not especially good, except the Japan grown, which have perfect foliage, though not very large blooms. The general effect is however pleasing. Some excellent rhododendrons are seen. The best daisies are the yellow of which Albert Woltemate has a superb lot. Tulips are very fine, especially the doubles. Valley is good but Von Sion is rather poor.

Cut flowers have sold pretty well and it is believed that good stock will be scarce by the end of this week.

Penn. Hort. Society.

The Spring show of the Pennsylvania Horticultural Society opened on Tuesday and lasted four days. It was an exceedingly pretty show, the only chance for the critic being Lord Byron's idea of woman—a good thing and therefore ought to be not small but large. Secretary Rust deserves great credit for the exhibition. The quality was above the usual high standard and there would undoubtedly have been more but that the florists are too busy now for shows.

The Exhibition.

Albert Woltemate arranged a beautiful group of orchids for effect. Henry A. Dreer showed some interesting novelties, W. K. Harris had some excellent genistas. Francis Canning had fine Bellis perennis, myosotis and the tallest lily I ever saw. Westcott's Nurseries made a fine decoration and so I might go on did time permit.

The cut roses and carnations were the crowning glory of the show, Messrs. Heacock, Anderson and Burton showing excellent roses—Beauties, Brunners, Maids, Carnots and Victorias. H. Weber & Son sent Mrs. Robert Garrett. Flora Hill, Victor and Empress attracted much attention, Messrs. Craig, Herr, Swayne and Graham being large exhibitors. Pennock Bros. and Jos. Kift & Son made up some beautiful designs.

John McCleary, gardener to Wm. Weightman, made a fine exhibit of vegetables grown under glass and R. Kaighn, Ellisburg, N. J., one of vegetables wintered in cellar and grown in frames. Lack of time prevents a more detailed account of the many other excellent exhibits.

The weather was rainy on the opening evening but the second day brought out a more encouraging attendance.

Florists' Gun Club.

The Florists' Gun Club team won the State championship at Reading on Wednesday, defeating three other crack teams and breaking 126 out of a possible 150 targets. The score was as follows:

Anderson	22
Burton	17
Bell	19
Cartledge	22
Hallowell	23
Park	23
	126

Mr. A. B. Cartledge also shot well in the open events winning one and tying for first honors in another.

H. Waterer has invented a clever device for drawing off water from the bottom of a large vase which should prove a decided advantage, avoiding the necessity of taking the plant out and turning the vase upside down.

J. W. Y.

BUFFALO.

Weather Conditions.

It is sad to see frost and snow just now after the beautiful and balmy March, we shall never forget, still is better to have these chilly days now than the end of the week. If it will warm up the last three days of the week we will forgive everybody. We are all confident that Easter will bring us a fine business. It certainly can't be called very bright just at present but there is generally a lull before the storm.

Easter Supply.

Church orders that were once so prized and coveted cut but a small figure now in the aggregate of our business. The demand for our flowers and plants now is on a healthy basis and likely to last. Good people believe that bright and pure and sweet flowers are the most cheerful things that can enter the home and fortunately many think that their friends have the same taste and so there is an exchange of good feeling and to this we must attribute a very large share of our patronage. "Tis twice blest, it blesseth him that gives and him that receives." The author of the quotation is dead and to mention his name will do him no good and I am not on speaking terms with any of his descendants.

There is scarcely any kind of stock that will be scarce. Roses are at their very best and he that thinks the public is going to be fleeced with exorbitant prices will get left. Violets are in fair supply and good quality, considering the past warm weather. Bulbous stock is plentiful everywhere but in the scarcity of carnations it is all likely to go. Carnations are really scarce. They are a crop that no one seems to attempt to control as there is always a good demand for them and from supply in our locality and calls from hundreds of miles away there is without doubt a serious shortage and whosoever has good ones is lucky.

Of plants there is a great abundance and we believe our city was never so well supplied. Without attempting a description of each establishment I can say that I hear of no places where the stock is far off from being on time. We have the stuff, we need the weather and we confidently expect the customers.

Visitors.

We have been among the pastures for the last two weeks and missed what few visitors there were. Mr. Vick, of Albion, N. Y., was one, and if you please who should walk up Main street



View in the Wholesale Store of W. E. Lynch, Chicago.

one fine day a short time since but Robert Craig and John Burton of national fame. We would have taken a speedy ride in had we known but did not get a chance. They looked well I understand and John was ready to shoot a match had he met a foeman worthy of his steel.

Retrospection.

I hope my friends will allow me to celebrate this day, April 4th, by a few words that is not horticulture but must be excused on the grounds that the writer never lets the day pass without a celebration of some kind and this is a very harmless way. Thirty years ago this morning we sailed out of the Thames bound for America, and we got there it is evident. We were aboard of an old ship called the Atalanta. Besides emigrants the chief cargo was railroad iron; that's a bad load to carry. It was on this ship we were first privileged to make the acquaintance of sour krout. We felt it long before we saw it. The captain was also loaded the whole journey, not with R. R. iron but some kindred hardware, so he rested most of the time and his duties were deputed to a red headed bully, the first mate. We took in our beef at Havre, also the sour krout and its consumers. After twenty-three days of rolling and pitching we landed at New York. There is something remarkable and pathetic about the career of this old tub, the Atalanta. In '67 she brought the cholera, in '68 she brought W. S. & Co., and in '69 she went to the bottom. It was time. Strange to look back at that journey and think of the awful things we were going to do with the captain and owners of the ship for the miserable accommodations and barbaric food that was served us. When a few hundred feet away from her on terra firma we looked back at her with a smile of gratitude and forgave all her sins, and soon found ourselves talking to an old friend at 67 Nassau street. W. S.

ST. LOUIS.

Easter Indications.

Every indication points to a very active Easter trade. From the present outlook stock will not be overplentiful and the commission men say that if orders keep on piling in as they have of late there certainly will be none too much. The shipping trade will probably be large as the demand from the outside was never heavier than at present.

Local trade was also quite active the latter part of last week. A number of large funerals the past week called for a large quantity of stuff, which was followed by Sunday with an unusually heavy demand for plants and cut flowers to be used for churches for Palm Sunday. The last few days the weather has been fine such as to make the plantmen say that if favorable weather conditions should continue during the critical time of the next few days the trade in plants will be larger than in previous years.

The stock in Harrisii in pots is very fine but scarce this year. Stock is moving out of the hands of the growers at a lively rate, in fact, every variety of plants in bloom seems in good demand. The wholesale men say that tomorrow (Tuesday) the regular Easter prices will take effect, the quotations of which will be as follows:

Prices.

In Roses, American Beauties cannot be quoted as the supply of this rose has been scarce since the first of the year. Brides, Bridesmaids, Jacques, Meteor and Carnots will be for firsts from $6 to $10 per hundred; La France, Woottons and Perles $4 and $6. Carnations have been in great demand for some time and the stock for Easter should be good and plenty. The price on fancy stock will be $4, others from $1.50 to $3. Daybreak, Scotts and Wocher are at their best just now. Any kind of red is selling well but fancy reds are very scarce and in great demand.

Some very good bulb stuff is seen. Tulips are fine, and some large white particularly so. The price on them varies from $3 to $5. Dutch hyacinths are in excellent shape and sell at from $3 to $5 for the best, some going just now at $2. Out door narcissus is increasing, Poeticus and single yellow are sold at 50 cents and $1.

As to cut lilies it is not likely that there will be a shortage. They are today (Monday) selling at $10 and $12.50 but most likely will go up to $15 and some dealers think they may reach $18 before the end of the week. The demand for them has been steady all of last week. Callas are selling at $10 and are plentiful at this writing. Roman hyacinths and paper whites are held at $2 and $3 for the very best and are not overplentiful. Valley is very fine and seems plentiful just now and is selling at $2 and $3.

Sweet peas are scarce and the few that come in are ordered in advance at $1.50 and $2 per hundred. Violets from the present outlook are going to be scarce and the demand for this flower is always good. Prices in advance cannot be quoted. Smilax is very plentiful and selling slowly at $10 and $12.50.

The seedsmen and nurserymen claim that business has been good with them so far this spring.

Notes.

Mr. Fuller, late of Henderson, Ky., is still in town and is talking of opening a wholesale house here since the Mound City Cut Flower Co. has retired. We have only three wholesale houses left and they can handle about all the trade for the balance of the season.

Mr. Frank Ellis, who was manager of the late Mound City Cut Flower Co., is now with the St. Louis Cut Flower Co.

Mr. John M. Hudson, who opened the first wholesale cut flower house in St. Louis but of late in the retail business, has taken a position with The Krebs Floral Co. John reports that the firm is now doing a good business.

Mr. Thomas Summerville of Bunker Hill, Ills., was a visitor last week. Mr. Summerville's visit here was to buy a large lot of violets, but as they are very scarce he left without placing an order.

Mr. Chas. Richards, who is Charlie Wors' right bower, is going to get married after Easter. I believe Effie is her front name but Charlie is very careful not to make known her other name.

The exhibition committee has fixed the dates for the next chrysanthemum show to be held at the Coliseum on Nov. 15, 16, 17, 18 and 19. The preliminary list is now in the hands of the printer and will be out by next week in time for the next meeting of the club.

On last Friday night, April 1, Mr. and Mrs. Francis Fillmore, Sr., celebrated their golden wedding at the home of their son Frank, on Nebraska avenue. A large gathering was present. Among the florists seen were Mr. and Mrs. John W. Kunz, Mr. and Mrs. Fred C. Weber, Mr. and Mrs. C. A. Kuehn, Mr. and Mrs. Carl Beyer, Mr. and Mrs. J. J. Beneke and Emil Schray.

The Bowling Club presented the aged groom with a handsome gold headed cane and the aged bride with a gold headed umbrella as a token of friendship for their son Frank. A great number of presents were displayed by their friends. The house was handsomely decorated with plants, smilax and cut flowers. All the ladies wore old gold ribbons and the gentlemen Perle roses. After an elegant supper dancing was in order and nearly all the guests stayed until the small hours in the morning. Mr. Fillmore is at present employed in Tower Grove Park with Prof. Gurney.

The bad weather on Monday night kept most of the bowlers at home, and only four out of the regular ten braved the wind and rain. C. A. Kuehn made 593; Beneke, 558; Kunz, 555, and Helwig, 475. The high single score was by Beneke, 233; Kuehn, 213, and Kunz, 199. We hope for better weather for next Monday night. This being Easter Monday, we will have a few prizes for which to roll. They will be donated by the proprietor of the alleys. J. J. B.

Editor Florists' Review: At the celebration of the fiftieth anniversary of my wedding, announced in your last issue, Mr. Beneke, your St. Louis correspondent, on behalf of the Florists' Club, presented me with a beautiful cane and my wife with a handsomely finished silk umbrella. The presentation was so unexpected that I failed to find words to express the feelings of myself and wife at the time, and with your permission I will take this opportunity to express more fully to the donors the deep appreciation by Mrs. Fillmore and myself of the kind remembrance. F. FILLMORE.

BALTIMORE.

Easter Outlook.

From the present outlook good stuff at Easter will be somewhat scarce. Already there is a deficit in the supply of several popular lines of stuff; while at no time the past week has the production been above the demand. True, the dull and rainy weather is largely responsible, yet the present prospects for a change of barometer are very poor. At the Florists' Exchange, Easter orders are both numerous and heavy, but the manager sees little chance of taking care of them all in full. Violets are getting poorer every day, and there will be few on the 9th that will command a fancy price. Carnations have also received a setback, although the quality still remains quite up to the standard.

Bulbous stuff and flowering plants are exceptionally fine this season, and everyone seems quite comfortably supplied. Notwithstanding the diseased bulbs there are plenty of fine specimen plants and flowers of Harrisii to be seen. The retailers are now experiencing a slight depression of trade which is generally a good omen for a big rush Easter.

Club Notes.

At the last regular meeting of the Gardeners' Club, March 28, our newly elected president, Mr. E. A. Seidewitz, occupied the chair and announced the following members of the executive committee of the club to serve the ensuing year: Messrs. Wm. Feast, Frederick Burger, Robert Graham, N. F. Flitton and Hy Fischer.

Resolutions expressing the club's regrets at the recent death of Mr. Chas. Hamilton were adopted and ordered placed upon the minutes of the club, and a copy sent to the family of the deceased. In Mr. Hamilton the club lost a very valuable and most zealous member and one of its original founders.

Fischer & Ekas exhibited two very fine carnation seedlings. One the shade of Daybreak, striped with red, the other a rare shade of crimson. Mr. Geo. S. Kalb, Jr., of Catonsville, was elected a member. Mr. Frederick Bauer, of Govanstown, was instructed by the president to prepare a paper for next meeting, on "The Utilization of Greenhouse Space." At a later date Mr. N. F. Flitton was asked to read an essay upon a very important question, "Is There a Future for the Private Gardener?"

Various Items.

Last week Mr. M. Rice, of Philadelphia, paid us another visit. From the size of his order book trade must be particularly brisk in his line. Messrs. Ernest Ashley and Paul Berkowitz, also of Philadelphia, and Lloyd G. Blick, of Norfolk, were with us this week.

Mr. John Weidey, a well known florist, formerly of Waverly, is about to leave for the Klondike. Mr. Weidey was once an active worker in the Gardeners' Club, having several times served in an official capacity.

Mr. W. J. Halliday has recently given his store front a new coat of lavender paint. Samuel Feast & Sons' store has also received a new coat of grey and white.

Mr. Robert Paterson, of Madison street, has been confined to his home again by illness. C. F. F.

PITTSBURG.

Increase in Business.

Business for the past week has been on a steady increase, funeral work prevailing. Everybody seems to be satisfied with the amount of advance orders placed for Easter. Judging by the amount of Harrisii grown in this vicinity the prices will be about the same as last year, in spite of the large amount of diseased bulbs. A shortage in crop of carnations and roses will be noticed.

Extraordinary Funeral Work.

Some extraordinary funeral work was made up for Lieutenant Friend W. Jenkins, a citizen of Allegheny, Pa., who lost his life while serving his country on board the U. S. battleship "Maine."

The tribute of the Allegheny postoffice employees was much admired. It embodied the cap, collar and sleeve insignia of a lieutenant on a panel 7 feet high. It was crowned with a victory wreath of sweet bay leaves. A Union Jack and the Stars and Stripes were draped about it. Carnations, Beauties and Harrisii were the flowers used. Langhans & Co., Allegheny, made up this piece.

A floral model of the "Maine" was the offering from classmates of the deceased who were with him in the class of 1883 at the Western University. The base was of ivy leaves and white roses and from this rose the hull of pink carnations to the water line, above which the flowers were white, the masts, yard arms and guns of purple. On the forward port side the explosion was typified by a mass of red sprays. On the prow the national banner and the Union Jack completed the emblem. It was about four feet long. Gustav Ludwig, of the Allegheny market, was the artist.

The Pittsburg Naval Reserves presented a floral representation of a lieutenant's shoulder strap. The design was six feet high and composed of blue and yellow immortelles, lilies and Beauties. The outline was of yellow, at each end a white bar, denoting the rank of the lieutenant and in the center a fouled anchor. This was made up by Elliott & Ulam.



View in the Store of Hess & Swoboda, Omaha, Neb.

The class of 1886, of Annapolis Naval Academy, sent a large anchor of lilies, hyacinths and carnations.

The remains were laid in state in the corridors of the Allegheny Post-office. The corridors and alcoves were all banked high with palms and potted plants. Superintendent Wm. Hamilton of the Allegheny Public Parks and Conservatory had in charge the arrangements of the plants, which were tastefully arranged and lent an impressiveness that the crowd was quick to appreciate and their attention was divided between the bier and its surroundings.

Peter Brust, a gardener employed at the Allegheny Parks, died recently of pneumonia, aged 65 years. He had been employed at the park over 15 years. T. P. L.

CHICAGO.

The Market.

The supply has shortened materially and the outlook for Easter is not so rosy. All the wholesalers agree that there will be a shortage in lilies, carnations and good violets, and the majority look for a short supply in everything, including bulbous flowers, while others think there will be enough to go around except of the items first named and a few look for heavy receipts of flowers at the last moment. Any such are pretty sure to be sacrificed. Already large dealers are declining Easter orders from other than regular customers on account of the anticipated shortage. The present demand is very brisk. Easter prices promise to run some little over the quotations already issued. The weather of the last week has held some forward lilies back, but it has retarded other flowers, and some growers report their crops will be in a week to two weeks late. In some Dutch bulb stock crops have been already well gathered and even bulb stock will be none too plenty in consequence.

Messrs. J. D. Thompson and James Hartshorne are in the east in the interest of a new greenhouse plant they intend to erect at Joliet this summer for the growing of high grade carnations. Mr. James Hartshorne will be manager.

It will be "Private Gardeners' Night" at the next meeting of the Florists' Club, April 14, at Equity Hall, Masonic Temple. A very interesting program is promised.

E. H. Hunt is still confined to his house by illness.

Lloyd Vaughan will start out on the road again next Monday.

Bassett & Washburn are fortunate in having two houses of Kaiserins in full crop for Easter. But their Bridesmaids are off crop, and they will have fewer lilies than expected.

Kennicott Bros. Co. are receiving some extra fine carnations from F. Dorner & Sons Co., Lafayette, Ind. On Tuesday some White Clouds sold at $5 and $6 while Mrs. Bradt and Gold Nugget went as high as $8.

Walter Heffron, for the last two years with E. H. Hunt, has taken a position with E. C. Amling, as manager, and will make the change on or about May 1.

Mr. Geo. Souster, of Elgin, was in the city last Wednesday. Mr. Souster is recovering from a bad attack of inflammatory rheumatism, which confined him to the house for several months.

OBITUARY.

Robert B. Young.

We are sorry to announce the death of Mr. Robert B. Young, at Asbury Park, N. J., April 3, aged about 60 years.

"Bob" Young, as he was familiarly known in horticultural circles, was a brother to Mr. Isaac Young, partner in the old firm of Young & Elliott, and during the existence of that firm had charge of their auction department. When it dissolved, he started for himself on Cortlandt street, in the fall of '91, as plant auctioneer, moving thence to Greenwich street the following May. Owing to ill health, however, he retired from active busness and went south to recuperate, but rheumatism, contracted during the war, at last got in its deadly work and his demise followed.

Mr. Young was exceedingly popular with all who came in contact with him; generous to a fault, and always ready to befriend those less fortunate than himself; a kind master and good friend are only a few of his qualities. Though seen rarely in his old haunts by his friends of late years, his absence has always been noted, and many an anecdote has been told about "Bob" and his good fellowship, but alas! he will return no more, and so today there is one less of the "old school." He leaves a widow and many friends to mourn his loss.

Mr. Young was a member of the G. A. R. He will be buried in Mount Greenwood Cemetery on Wednesday, April 6.

BOSTON.

Mass. Hort. Society.

At the regular monthly meeting of the Mass. Hort. Society, a committee was appointed to consider the matter of enforcing the state laws for the protection of trees and insure care for those suffering from decay. There was a discussion on forestry in general.

At the weekly exhibition gratuities were awarded to James Comley for a fine display of Wisteria sinensis, and to H. Wild, gardener to Mrs. A. W. Blake, for display of Iberis perennis and Hydrangea Otaksa. Mrs. P. D. Richards received an award for native plants. Rea Bros. showed a plant in flower of Erigeron aurantiacum var. roseum, a pretty little herbaceous plant, a German novelty. There was also a number of fine displays of vegetables.

Club Meeting.

At the monthly meeting of the Gardeners' and Florists' Club next Tuesday, Mr. Jackson Dawson, of the Arnold Arboretum, will deliver an address on incidents of his travels in Europe last summer. It will undoubtedly be very interesting and instructive.

Among the Retailers.

Many of the retailers have taken ex-

tra stores for Easter. Norton Bros. have taken the large store at 406 Boylston street, where they have a charming display.

Jas. Delay & Sons have surpassed themselves in their Easter display. Among the plants may be noted four immense specimens of Acacia paradoxa eight to ten feet high and nearly five feet through, perfectly grown and a mass of golden flowers. Also noticeable are some fine specimens of Crimson Rambler rose, well flowered.

P. L. Carbone has a striking display, the decoration extending on the street each side of his store. It is a great attraction.

W. E. Doyle has a handsome display at each of his two stores and has already received the order for the decoration at Trinity Church, which is always elaborate.

Galvin Bros.' stores and conservatories are a blaze of color in azaleas and bulbous stuff. Araucaria excelsa tied with dark crimson and orange ribbon between the growths is a great attraction. C. H. J.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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OCEANIC, N. J.

A grand sociable was given by the Monmouth County Hort. Society on Wednesday, 23d ult. The hall was very nicely decorated and about fifty couples participated in the grand march, which was led by Mr. and Mrs. Robert Beatty.

Mr. W. Kennedy sang a song of his own composition, which was very well received. The society's paper, The Mon. Co. Busy Body, was read and contained as usual the latest news. Mr. H. Kettel and Mr. Geo. Stanton sang several songs, which were received with the usual praise.

One of the most prominent features was a cake walk. Mr. Hugh Birch and Miss Sarah Minton took the cake for the most comical, and Mr. Rich. Rogers and Mrs. Theodore Togg for the most graceful performance.

It was the most pleasant entertainment ever given by the society. Refreshments were served at intervals and at 12 o'clock all partook of an excellent supper. Everybody was home before daylight and on parting all expressed their thanks to the committee, which consisted of Messrs. John Downing, Hugh Birch and Thos. McIntosh; also to the competent floor manager, Mr. Robt. Beatty.

N. BUTTERBACH.

WASHINGTON.

Easter Outlook.

The boys are keyed up to a high pitch in anticipation of a good Easter. All have quantities of good stuff, and are getting it into the stores and market. Harrisii are, as a whole, fairly good, and the supply, I think, will about equal the demand. Usually quantities are shipped here from Philadelphia, which seems to have the effect of cutting prices. The current news is that Philadelphia has had hard luck with them this year, losing about one-half from diseased bulbs, and that the other half have been sold. This has kept the prices here steady.

The stores begin today to dress for the Easter trade, and from a few remarks I overheard down town the other evening, the displays will excel all previous attempts.

Mr. Wm. Clark has a house of President Carnot roses that is a sight to see. I mentioned some time ago that he had given the house a taste of winter, believing in that way he would bring it into flower by Easter with a fine crop, which he has succeeded in doing.

Notes.

Many think the war scare will hurt the trade this Easter, especially so if war should be declared this week, while others think it will not.

The semi-monthly meeting of the Commercial Florists' Association was postponed one week, owing to stormy weather. There is expected a lively time and a good attendance is promised. W. H. K.

GRAND RAPIDS, MICH.

Florists' Club.

The Grand Rapids Florists' Club held a meeting Tuesday afternoon at Geo. Hancock & Sons, at Grand Haven. Their house of seedling carnations was the center of attraction. There were many fine varieties, among which was a scarlet of somewhat the habit and appearance of Jubilee, but a little better color; also a white that seems above the average, and if it were not for a slight tendency to burst, might take its place in the front ranks of the whites. Firefly, their pet red, showed up well. It is a free bloomer, good flower, and save a shade of dullness in color, is a most desirable variety. Gold Coin in yellow is also good, being a color between Pingree and Gold Nugget.

This enterprising firm utilizes the space under the benches for growing pie plant.

Celery is extensively grown here, as is also tomatoes, they having a tomato canning factory adjoining the greenhouses. But what is more to the point, they handle nearly all the new carnations on the market, and the florists took advantage of this opportunity to buy what new stock they required. Gold Nugget, Evelina, White Cloud and Genesee were bought in large quantities.

A bountiful banquet was served at Geo. Hancock's, after which the meeting was held at James Hancock's, close by. N. B. Stover presided. No paper was read, on account of the absence of Wm. Cunningham; hence a free-for-all spring flower discussion ensued.

Discussion.

Bulbs as cut flowers were not considered profitable to grow by the retailer, on account of the fluctuations of demand. Again, just as soon as you are off crop, all your customers are in urgent need of bulb stock, and nothing else will suit.

All are having considerable trouble with the lily disease and ascribe it to various causes. Is there not some color to the claim of immature bulbs being the diseased ones, on account of not being allowed to properly ripen? That being the case, are we not ourselves, in a measure, responsible for this condition of affairs by being so urgent in making the bulb agent promise to get the bulbs to the buyer at such an early date that they have to be delivered before mature? It was a noticeable fact that one florist buying of one particular firm had better bulbs than those bought elsewhere. Another, buying of this same firm, found those bulbs the most diseased of any, and vice versa. Buying the bulbs seems to be a hit or miss game of chance, mostly chance.

One grower stated that while using sulphur for mildew he used an overdose and injured the plants in a portion of the house where there were a batch of lilies badly diseased, and they were uninjured by the sulphur and immediately made a fine new growth, proving to be the best lilies he has. Would not the use of sulphur prove beneficial in treating the disease?

A vote of thanks was passed Geo. Hancock & Son for their kind hospitality. The next meeting will be held at the Eagle Hotel, Tuesday evening, April 5th; subject, The Tariff on Plants and Bulbs; essayist, Geo. F. Crabb. On the way to the depot the 'bus broke a spring, presumably the added weight of the carnation stock on board was too much for the springs. We walked the rest of the way.

LOCKPORT, N. Y.

Thos. Mansfield has a pretty lot of Easter stock, which will be replaced with a well-grown batch of bedding plants. A big line is sold annually.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS.

Pres., Wm. F. Gude, Washington, D. C.; Vice-Pres., A. Donaghue, Omaha, Neb.; Sec. Wm. J. Stewart, 67 Bromfield St., Boston, Mass.; Treas., H. B. Beatty, Oil City, Pa.

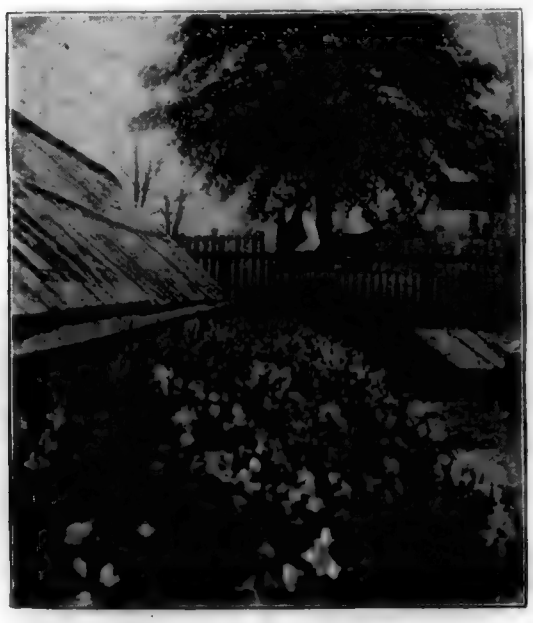
NEXT MEETING.

The fourteenth annual convention will be held at Omaha, Neb., August 16, 17, 18 and 19, 1898.

The Trans-Mississippi and International Exposition will be held in Omaha, June to October, 1898. F. W. TAYLOR, Supt. of Horticulture.

AMERICAN GROWN ROMANS.

The accompanying engraving shows a bed of white Roman hyacinths grown by Mrs. H. Rehder, Wilmington, N. C. The bulbs are three years old and are from sets originally taken from mother bulbs. When through flowering they are lifted, cured, and again planted out the latter part of August.



These flower as freely and throw as large spikes as the best imported bulbs.

The photograph was taken January 22, up to which time no protection was needed. It will be noticed that Willie Rehder stands in the background without coat or hat, apparently meditating upon the burning question of bulb growing in the south. A cold snap on February 3 put a different complexion on things, however.

MR. ALFRED REHDER, of the staff of Moller's Deutsche Garten Zeitung, Erfurt, Germany, is about to pay a visit of six months or a year to America to further his dendrological studies. He will first spend some time with Professor Sargent, at the Arnold Arboretum, Boston, and will later visit many of the leading horticultural establishments in America.

ALBANY, N. Y.—Out on the Troy road John Dingwall shows the boys how azaleas should be done for Easter, with a big batch of bedding stock to follow.

L. Menand has a well-grown stock. His store and cemetery business is considerable.

OTTAWA, O.—J. Fred Risser, son of Henry Risser, of Lima, O., has started in the florist business here.

WANT ADVERTISEMENTS.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By a gardener; German, 31 years old; married; 16 years' experience in flowers, fruits, vegetables, care of pleasure grounds, hothouses, and landscape gardening; position in private park, cemetery, or gentleman's place in city or country; best of recommendations. Address A. Daum, 187 E. Chicago avenue, Chicago, Ill.

SITUATION WANTED—By a florist and gardener; single; 15 years' experience; who can grow carnations, mums, violets, roses, etc.; also vegetables under glass; best of reference. Address A. H. Clark, Lansdale, Pa.

SITUATION WANTED—Where first-class stock is grown; best of references from past and present employers; age 24. State wages, etc. W. D., care of W. W. Cole, Maple Hill Rose Farm, Kokomo, Ind.

SITUATION WANTED—As foreman or grower on commercial place, unquestionble ability in all branches. Reliable, industrious and capable of assuming entire charge. R. G., care of Florists' Review.

TO RENT—Five greenhouses, and material enough to build another; 3,600 feet of glass, well stocked, an acre or so of land, and four-room cottage. Will rent to a desirable party as low as $25 a month. A splendid opportunity. To rent on account of death of Mr. Saxon. Address Mrs. A. H. Saxon, Downer's Grove, Ill.

WANTED—Capable man to take charge of a retail florist's store in Chicago. Must thoroughly understand making up. Address D. J., care Florists' Review.

SITUATION WANTED—By practical florist with 15 years' experience in growing cut flowers. Specialist in roses. State wages paid. Address F. Campbell, 355 Ellicott Square, Buffalo, N. Y.

SITUATION WANTED—First-class cut-flower grower; 12 years' experience; single; 28 years; extra good rose grower; best of reference; wish employment at once. Address, stating wages, T. E. Gleason, 95 E. 26th St., Chicago, Ill.

FOR SALE: 1 dwelling house, 2 greenhouses, 17 x 150 newly built: well located and good home trade, on st. car line and near a city of 300,000 population. For particulars address P. O., care Florists' Review.

SITUATION WANTED—By married man, as rose grower or foreman: good grower of cut flowers and general greenhouse plants; first-class references; state wages. R. W., care of Florists' Review.

SITUATION WANTED—By a first-class all round florist; good grower of roses, carnations, violets, and mums, general stock, etc.; 16 years' experience. F. S., Florists' Review.

SITUATION WANTED—As foreman by an up to date rose and cut flower grower; good manager and hustler and can furnish best of references as to ability to fill a first-class position. Am open for an engagement at any time desired. Give full particulars when writing. Grower, care Florists' Review.

A FIRST-CLASS MAN is now open to engagement; fully competent in every respect; expert grower of both plants and cut flowers; wants an opportunity to better himself; no object to change unless there is an opportunity for him to show his abilities on a scale that will make his services worth at least $75 a month. Address S. D., care Florists' Review, Chicago.

SITUATION WANTED—By a first-class grower of roses, carnations, violets, etc.; 12 years' experience and can furnish best of references. Address Practical care Florists' Review.

SITUATION WANTED—By experienced gardener: single, 25; in private place; understands care of greenhouses, fruits, everything in general; best of references; California preferred. Address P. Hanson, box 251, Mamaroneck, N. Y.

SITUATION WANTED By practical, up to date florist and gardener; private or commercial place, eastern and western experience; first-class references from well known parties. Address A. M., care Florists Review.

Hot-Bed Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

SITUATION WANTED—By thoroughly practical all round gardener. Capable of taking entire charge of a gentleman's private place. Exceptional references as to character and ability. Address Gardener, care of Florists' Review, 105 Hudson Street, New York City.

SITUATION WANTED—By a competent florist and gardener, 14 years' experience in growing cut flowers, tropical plants, cyclamen, etc. Also a first class designer and decorator. Capable of taking charge of place of any extent. Age 30, single. R. S., care Florists' Review.

SITUATION WANTED—By first class rose and cut-flower grower who understands the business in all its branches and is thoroughly capable of taking full charge of large plant. Am employed at present but have good reasons for wishing to make a change. Unquestionable references. Add. 320, care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

WANTED—A working foreman, must be an A 1 rose grower, American preferred, but must be able to furnish the best of references. No fakes need apply. The plant is backed by wealth, therefore, will have none but the best. A good salary will be paid to the man who can prove his ability. In writing, send copies of recommendations and address. Address L. T., The Florists' Review.

WANTED—At once, good florist for greenhouse work. $20.00 per month, with board. Advance in wages if satisfactory. Hillsdale Floral Park, Hillsdale, Mich.

WANTED—An industrious, energetic married man with no children. Man to work in rose and violet houses, wife as packer of cut flowers, etc. Wages, combined. $45.00 (forty-five dollars) per calendar month and two rooms free. None but those who have had experience need apply. Anchorage Rose Co., Anchorage, Ky. Chas. Rayner, Manager.

ROCHESTER, N. Y.

Prospects for a lively Easter trade are bright, an unusually large number of advance orders being on the books now, and this fact indicates to our florists a material increase in demand. It is now pretty certain that the supply of cut flowers will be plentiful and of fairly good quality. Lilies will perhaps be the only exception, they are not any too abundant. The bright weather during March has not been favorable for the violets. They are diminishing in size and are faded, but some good flowers, grown in frames, are yet in the market and these are sure of bringing good prices.

We had hard freezing weather for some days, an advantage to all those growers who were trying to hold back their flowering plants, but not in all cases were the efforts crowned with success. Azaleas and genistas suffered most, but after all there is plenty of them to go around. A goodly number of potted H. P. roses are offered in some of the establishments and well flowered Crimson Ramblers in 7 and 8-inch pots with immense clusters are also seen in several places. Metrosideros are finer than ever before in this town. The pretty ericas are seen only here and there and in limited numbers. I have no doubt that many more of these might be disposed of here, but for some reason only a few of our growers seem to have an inclination to handle them.

Excellent large specimens of the old marguerites are met with here and there; the blue daisy is also seen in smaller sizes, thickly set with flowers; lilacs are very abundant; rhododendrons in all colors seem to gain in favor; Spiraea Anthony Waterer has been tried for the first time here and turned out a good subject for Easter forcing; hydrangeas are in fine shape and there is a very generous display of such things as cinerarias, herbaceous spiraeas and deutzias in various sizes. Besides the usual pans of tulips, hyacinths, narcissus and valleys, we see pansies, violets, forget-me-nots and hardy primroses employed for the same purpose. They ought to sell readily for they are completely covered with bloom.

The past week was a rather quiet one and Palm Sunday did not create the usual demand for church decorations, but nobody feels discouraged over the matter, as there is every indication for an increase in this year's Easter trade. May all have the gratification of seeing their most sanguine hopes realized before Easter is over.

K.

NEW AND SECOND-HAND MATERIAL

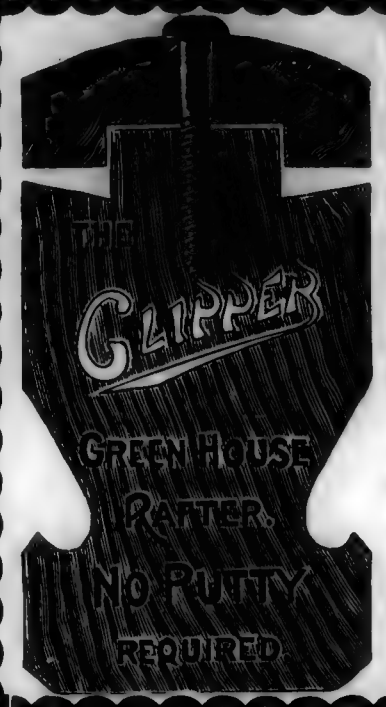
purchased from Sheriff, Receiver, and Assignee sales at less than one-half prices. Pipe and Fittings, Hose, Florists' Wire, Hot Water Heaters, Greenhouse Boilers and Engines, Rope, Light Wrought Iron Pipe, Glass Sash, and thousands of other articles, for sale by

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Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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FLORISTS SUPPLIES
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All the leading varieties in Carnation Rooted Cuttings.

We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.

Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000..... 12.50
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Stock Reliable. List Free. **GEO. B. MOULDER,**

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DAVENPORT, IA.—Mrs. F. L. Bills has a new store at 104 West Second street. Until after the spring plant sales are over Mrs. Bills will also continue her business at the old location on Brady street.

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600,000 Feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. **We are Headquarters for Fine American Beauties.** Give us a trial and convince yourself.

Rooted Rose Cuttings

Plants and cuttings sent by express at plant rates (30 per cent less than merchandise rates).

	Per 100	Per 1000
AMERICAN BEAUTY	$2.50	$20.00
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BELLE SIEBRECHT	1.50	12.50

...ROSE PLANTS...

Out of 2½-inch Pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	3.00	25.00
Perle	3.00	25.00
Bride	2.50	22.50
Bridesmaid	2.50	22.50
La France	2.50	22.50
Kaiserin	2.50	22.50
Belle Siebrecht	2.50	22.50

...ROOTED CARNATION CUTTINGS...

	Per 100	Per 1000
JUBILEE	$2.00	$15.00
Wm. Scott	1.00	7.50
Nancy Hanks	1.00	7.50
Tidal Wave	1.00	7.50
Portia	1.00	7.50
Lizzie McGowan	1.00	7.50
Goldfinch	1.00	7.50
Mrs. Thompson	1.00	7.50
Daybreak	1.50	12.50
Emma Wocher	1.50	12.50
Meteor	1.50	12.50
Lizzie Gilbert	1.50	12.50
Harrison's White	1.50	12.50
Bridesmaid	1.50	12.50
Nivea	3.00	.....
Flora Hill	4.00	35.00

Smilax Plants, $2 per 100; $15 per 1000.

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CHEAP

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FLORA HILL, $5 per 100, $40 per 1,000.

EVELINA, - - - $10 per 100
WHITE CLOUD, - $10 per 100

TWO GRAND WHITES OF 1898. TRY THEM.

PSYCHE—flaked white, $10 per 100.
PAINTED LADY—red, Two Fine Commercial Sorts.

Our trade list is issued; if you have not received it, send for a copy. New **Cannas,** new **Geraniums,** new **Roses;** all the new **Chrysanthemums** of the year.

E. G. HILL & CO.

E. G. AMLING,

Wholesale **Cut Flowers**

Consignments Solicited. Prompt Attention to Shipping Orders.

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A. G. Prince & Company

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All telegraph and telephone orders given prompt attention.

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New Catalogue of all Florists' Supplies on application. For the trade only.

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Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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..C. W. WORS..

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2740 OLIVE STREET
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FINE ROSES—Shipped Carefully to all Parts of the Country.

ST. LOUIS CUT FLOWER CO.

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E. H. MICHEL

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New **Fruits** and rare **Ornamentals.** Shade trees, Shrubbery, **Privet,** Specialties. **100,000 Peach** at lowest prices. Catalogue free. **Agents wanted.**

MILWAUKEE.

Easter Supply.

Easter being close at hand all florists are preparing for the final rush for plants and cut flowers. In plants Harrisii and azaleas will fall short of demand but mignonette, hyacinths and callas will be sufficient to go around. In cut flowers a shortage is anticipated especially in carnations and the sudden change to cold weather will have some effect on the calculations of other stock. Bulbous stuff with bright weather will probably be plentiful.

Nic Zweifel will have a fine supply of hyacinths both to cut and in pots, also a fine crop of sweet peas. His Daybreak carnations are looking fine.

F. P. Dilger is most fortunate in having a lot of azaleas in bloom as most all others had them in early this year. He also expects to have a large cut of tulips, hyacinths and daffodils. A. Billings will have the largest supply of Harrisii plants, and Chas. Zipnick, while not in a large quantity, will have a fine lot of perfect plants with heavy stalks and clean foliage from the pot up, averaging about a dozen blooms to a plant, some fine specimens having 15 to 20 flowers. He also makes a specialty of mignonette plants and will have a large supply. The outlook in general is for a large demand in all lines as a good many advance orders are already placed.

Notes.

W. A. Kennedy, of Lake Forest, has leased the Deuster Greenhouses and will devote them to the growing of cut flowers.

H. L. Clapp, of Ripon, and J. E. Mathewson, of Sheboygan, were recent visitors.

GEO. WASHINGTON.

CLEVELAND.

Business has of late continued rather dull, with some surplus of stock, but not much, the late spell of cold weather having a tendency to slightly diminish the supply.

At this writing every one is looking eagerly forward to the latter end of the week, and present business matters interest them comparatively little when compared with what may occur later. There promises to be a good supply of everything desirable in cut stuff, as well as potted stock, excepting carnations, which are completely off crop with nearly everybody, a condition of affairs predicted some time ago. The probability is that a good many people who want carnations will have to content themselves with something else. The outlook for a good Easter seems bright to nearly all the local fraternity. All that is asked is that "Old Probabilities" be kind and send us something extra high-grade in weather. NEMO.

Always mention the Florists' Review when writing advertisers.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE,
CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE
EXPRESS 466.

Full Line of Wire Designs and Florists' Supplies....
Write for Illustrated Catalogue
S. B. WINTER
HIGH GRADE.....
21 Randolph St., ...CHICAGO
CUT FLOWERS
PROPERLY PACKED ...AND PROMPTLY FORWARDED

100,000 VERBENAS
THE CHOICEST VARIETIES IN CULTIVATION
Fine Pot Plants. $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000
No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.
We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.
SEND FOR CIRCULAR.
J. L. DILLON, Bloomsburg, Pa.

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VAN NAMEN'S EXCELSIOR WHITE CABBAGE.
Late, large round, solid heads, weighing from 12 up to 25 lbs. EXCELLENT KEEPER. DOES NOT ROT.
Price, postage paid, per ounce 25c; ¼ lb. 75c; pound $2.00. Cash with order.
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C. H. JOOSTEN, Importer, - 193 Greenwich St., New York.

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YOU CAN SAVE MONEY BY HAVING ME
BUILD AND HEAT YOUR GREENHOUSES
Henry W. Gibbons, 134-136-138 LIBERTY STREET, NEW YORK.
EXPERT ADVICE AND PLANS FURNISHED. ESTIMATES FREE

EVERGREENS...
Choice Specimens for Lawn Decoration.
Send for Descriptive Catalogue and Trade List.
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MORRISVILLE, - BUCKS CO., PA.

APRIL OFFER.

	Per 100
Alternantheras A. Nana $1.75 P. Major....	$2.00
Begonias 5 Var—Vernon.....	2.50
Coleus Asst. and Centaurea Gymnocarpa.	2.00
Geraniums, 16 Var., 2½ pots, $2.50; 3 in.	3.75
Geraniums, 4 in. pt. and Marguerites (P. Daisy).....	5.00
Pansy plants from cold frames and Smilax	1.00

Cash please.
JOS. H. CUNNINGHAM, Delaware, O.

E. H. HUNT

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SUPPLIES, SEEDS, TOOLS AND BULBS.

Seasonable Flower Seeds.

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Taking Effect April 11, 1898.

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CARNATIONS.		
Ordinary, ordinary Stock	per 100,	$1.25—
Extra	"	1.50—2.00
ROSES.		
Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	3.00—
Maids	"	3.00—
Meteor	"	3.00—
Perles	"	2.00—
GREENS.		
Asparagus	per string,	.60.—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—
Smilax extra heavy, per doz.		2.00—
Galax	per 100, 20c., per 1000,	1.50—
Leucothoe Sprays	per 100,	.75—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
Fresh stock always on hand.		
MISCELLANEOUS.		
Marguerites	per 100,	.50—
Mignonette	per 100,	1.00—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans, Valley	per 100,	2.00—3.00
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies, per 100		.50—

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bom, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

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New PRICE LIST for SPRING and SUMMER. If you have not received it, send postal; will mail you list and beautifully illustrated Descriptive Catalogue.

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In fine assortment, from 2½ inch pots, $3.00 per 100; $27.00 per 1,000.

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The leading Dahlias of the world, **$5.00** to **$7.00** per 100 for large field grown roots.

Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

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New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.

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That will please you and prices that will suit you.

S. A. Nutt, La Favorite, Heteranthe, $2.50 per 100; $20 per 1000; Beaute Poitevine, Mary Hill, $3 per 100; Mme. Bruant, Frances Perkins, $5 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

SMALL GREEN **Galax**

For use with Violets. Stiff wiry Stems. Work up beautifully. Are all the rage

Box of 5000, $5.00
Less quantity at $1.25 per 1000

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SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

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3000 Beauties, 2½	5c
500 Meteors, 2½	3c
500 Meteors, 3	5c
1000 Golden Gate, 3	4c
1000 Maman Cochet, 3	5c
500 White Maman Cochet, 3	10c

J. LOUIS LOOSE, Washington, D. C.

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NEW YORK MARKET.

Week Ending April 2, 1898.

Am. Beauty, fancy, extra, long stem, each	15c to 25c
Am. Beauty, extra, each	6c to 10c
Am. Beauty, culls and ordinary, per 100	2.00 to 4.00
Brides, 1st, per 100	2.00 to 4.00
Brides, 2d, per 100	1.00 to 1.50
Bridesmaids, 1st, per 100	2.00 to 4.00
Bridesmaids, 2d, per 100	1.00 to 1.50
Brunners, 1st, per 100	10.00 to 25.00
Brunners, 2nd, per 100	
Meteors, 1st, per 100	2.00 to 4.00
Meteors, 2d, per 100	.75 to 1.00
Jacks, per 100	4.00 to 6.00
Testouts, 1st, per 100	3.00 to 6.00
Testouts, 2d, per 100	1.00 to 2.00
Morgans, 1st, per 100	2.00 to 4.00
Morgans, 2d, per 100	.75 to 1.00
Cusins, 1st, per 100	2.00 to 4.00
Cusins, 2d, per 100	.75 to 1.00
Perles, per 100	1.00 to 2.00
Carnations, per 100	1.00 to 2.00
Carnations, fancy, per 100	2.50 to 4.00
Valley, per 100	.75 to 1.50
Roman Hyacinths, per 100	1.00 to 2.00
Harrisii, per 100	4.00 to 6.00
Violets, per 100	.20 to .40
Paper white Narcissus, per 100	2.00
Cattleyas, per 100	50.00
Cypripediums, per 100	10.00 to 12.50
Tulips, per 100	1.50 to 3.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	12.00 to 20.00
Asparagus, per 100	50.00
Purple Lilac	50c to 75c per bunch
Mignonette, fancy	2.00 to 4.00
ordinary	10c to 15c per bunch
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.75 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

GRAND RAPIDS, MICH.

Weather is cold and raw, greatly retarding the opening of flowers. Carnations are remarkably scarce. Roses will about equal the demand. Out of town orders for carnations are being steadily refused, and even orders placed early are being trimmed down, as there will not be stock enough even under favorable circumstances to fill what orders are already booked. Most of the lilies are poor on account of the disease, although there are at least three fine lots in town and they will be, presumably, equal to the demand. Plenty of bulb stock on hand. Dark violets are practically played out. There will, however, be some fair Lady Campbells, as they did not start a new growth as soon as Marie Louise.

Henry Smith is moving into his new store, and Crabb & Hunter are holding a special Easter sale at 104 Monroe St. Indications are that this Easter will be the busiest ever known.

GEO. F. CRABB.

GERANIUMS. Grand Bedders and new, $1.30 per 100, $10.00 per 1,000. **COLEUS**—C. Verschaffeltii and G. Bedder, 85c per 100. $6.00 per 1,000. **Superb** – fancy, 30 var. **Alternanthera**—P. M. and A. Nana, fine little plants. **Sage**—Grandiflora and Bonfire, 80c per 100, $5.00 per 1,000. **PANSIES**—Part in bloom, **Giants** $7.00, **Bugnots** $9.00 per 1,000 express, any quantity. Small plants 75c per 100 mail. **Aster** and **Verbena** Seedlings, 35c per 100

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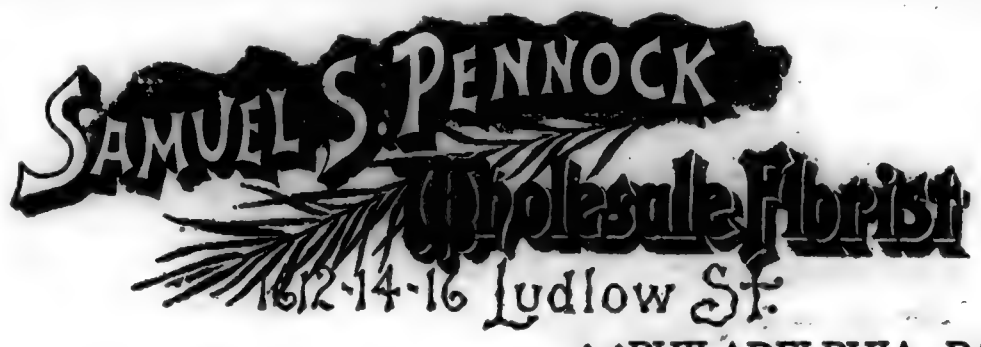
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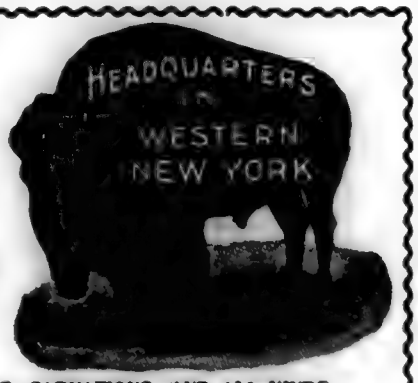


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GIVE US A TRIAL WE CAN PLEASE YOU.

ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist....

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Also Dealer in Florists' Supplies and Wire Designs

MEET US AT THE OLD STAND ALWAYS OPEN

Millang & Co.

Wholesale Commission Florists,

48 W. 29th Street, NEW YORK.

Between Broadway and Sixth Avenue

LITTLE BEAUTY--Fine Strong Fuchsia plants, 60c per dozen, **$5.00** a 100.

White and Yellow, $2.50 a 100.

LANTANAS. Trailing Lantana, the finest thing out for baskets and vases, **$3.00** a 100.

A. J. BALDWIN, Newark, Ohio.

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Original Headquarters for CARNATIONS.

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Consignments of only the best Stock solicited.

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LONG DISTANCE 'PHONE 5008 A.

Our central location enables us to fill out-of-town orders at short notice.

ASPARAGUS PLUMOSUS NANUS.

Strings 8 to 10 feet long, 50 cents.

W. H. ELLIOTT,

BRIGHTON, MASS.

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We beg to inform our customers that we have removed to

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Write for quotations on

JAPANESE BULBS, PLANTS AND SEEDS, for Fall Delivery.

SUZUKI & IIDA,

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EVERY FLORIST OUGHT TO

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JOHN G. ESLER. Sec'y. SADDLE RIVER, N. J.



I Have Fine Stock of

Pears, Apples, Cherries, Peaches, Quinces, Small Fruits, Asparagus

3,000 Sugars and Norways, 10 to 14 ft.
6,000 Sugars and Norways, 9 to 10 ft.
5,000 Elms, 9 to 11 and 12 to 14 ft.
1,000 Schwedler & Reitenbachii Maples, 8 to 12 ft.
3,000 Horse Chestnut and Purple Beech, 6 to 9 ft.
15,000 Evergreens, all kinds and sizes.
10,000 Shrubs, all kinds and extra sixes.
20,000 California Privet, 2 to 4 ft.
1,000 Crimson, Yellow and White Ramblers.
10,000 Roses, extra strong.
4,000 Rhododendrons and Azaleas, extra strong.
5,000 Climbing Vines, extra strong.

I cater to park men, florists, cemeteries or any other man that wants stock in car loads or less.

Address, **STEPHEN CRANE,**

Prop. of Norwich Nurseries. NORWICH, CONN.

Lettuce AND OTHER **Vegetable Plants**

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

Pepper and Egg Plants 25c. per 100 $2 per 1000

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums,** from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

GET THE BEST

Our Prices are Low, considering the fine Quality of Stock supplied.
Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$3.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
Alyssum, T. Thumb and Giant dbl, 2½-inch pots	2.50	20.00
Begonias, fine assortment, 3-inch pots	4.00	35.00
Begonias, Vernon, 2½-inch pots	3.50	30.00
Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00
Cannas—Fine assortment of leading varieties. Prices on application.		
Coleus—Just the kind of cuttings you would root for your own use—not small tips that require the use of a magnifying glass t discover them.		
Coleus, Golden Bedder, Verschaffelth, etc.	1.00	7.50
Plants of the above variety, from 2½-inch pots	2.00	15.00
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
German Ivy, 2½-inch pots	2.00	15.00
Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
" rooted cuttings, blue	1.50	12.50
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
Moon Vines (the true Colonyction), rooted cuttings	2.50	20.00
Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
Salvia, Nana Erecta or Bonfire, rooted cuttings	1.50	12.50
Swainsona, Alba and Rosea (very strong), 2½-inch pots	4.00	30.00

Cash with order from unknown customers or c. o. d.
Orders amounting to $5 and over, f. o. b. New York City.

J. C. CLARK. Supt. **SEAWANHAKA GREENHOUSES,** Wm. L. SWAN, Prop.
P. O. Box 34. Oyster Bay, N. Y.

P. VOS, REPRESENTING

The Holland Bulb Co.,

Oegstgeest, Holland,

Is now in the United States on his annual trip. Please address correspondence to him, care of KNAUTH, NACHOD & KUHNE, corner William and Beaver Streets, New York City. Those wishing lowest quotations on Bulbs can have same from me, together with best references as to the quality of our goods. Yours truly, **P. VOS.**

DUTCH BULBS!

For Next Fall Importation. Ask for Copy of Catalogue.

L. C. Bobbink, Rutherford, N. J.

LAGER & HURRELL

Growers and Importers of



Correspondence Solicited.

SUMMIT, - - N. J.

Marie Louise

VIOLET RUNNERS.

Good Plants. Healthy Stock. **$5.00 per 1,000.**

A. WASHBURN & SON, Bloomington, Ill.

Always mention the Florists' Review when writing advertisers.

DWARF PAPAYAS.

MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

MARTIN BENSON, Dongola, Ill.

CLEMATIS—Fine assortment 2-year old plants, home grown, $3.00 per dozen.

CARNATIONS—Victor, plants from pots, $4.00 per 100. Rooted Cuttings, $3.00 per 100.

VIOLETS—Princess of Wales, well established plants, 2½-inch pots, $3.00 per 100.

G. EISELE,

11th and Jefferson Sts. PHILADELPHIA, PA.

SPRINGFIELD, MASS.

Piloted by Mark Aitken, behind his nimble steed, a run was made through the principal establishments in the vicinity. J. Schlatter & Son were the first to be visited and we were rewarded with a view of excellent stock in prime shape; but to endeavor to grow yet finer, a good trial with Jadoo is in force and most satisfactory results anticipated.

H. Grout was the next on the list. We found that gentleman finishing the morning cut of that euphoniously-named carnation Conch Shell. It is a beauty, and those unacquainted with the lovely tint upon this species of shell should try the carnation and learn from its bloom what it is in color and vigor of growth.

From thence we sped on to Holyoke, where are located the extensive establishments of Messrs. Shaw and Howland. The stock of the latter is in capital trim. Henry Sinclair knows how to grow Woottons. Easter stock is abundant, and from indications will sell well. Mr. Shaw grows roses and carnations on quite a large scale. His stock is fully up to his usual standard. I looked in at the Aitken place on our return and found considerable improvements since the property belonged to Herrick. It is situated in the heart of the residential section and must be a profitable investment under a careful and hustling person.

W. M.

HEATING.

In reply to B. J. P.'s enquiry on heating matters, the arrangement he suggests would probably provide sufficient grate surface, but the capacity of the boiler would be inadequate for the heating of one house alone, without considering the assistance of some heating pipes which would be necessary in connection with the flue in the second house. I am unable to advise definitely as to the size of boiler which would be necessary, as your correspondent does not state the shape of the houses, whether they are connected or separate, if they have any glass on the vertical sides, and the temperature he wishes to maintain.

New York. H. W. GIBBONS.

HAMILTON, ONT,

E. G. Brown added a violet house in the fall and has had as great success with Marie Louise as is usual with his carnations and roses.

T. V. Kilvington reports considerable demand for palms, and predicts a good Easter.

F. G. Foster is, I regret to report, not feeling so well as of yore. His many friends wish him speedy recovery. The business is being well taken care of by Fred Simon, who is growing some very salable stock.

W. M.

SCOTT'S ROSES...

AMERICAN BEAUTY
Now ready to ship. Plants from 2½ inch pots $6.00 per 100; $50.00 per 1000.

BRIDE, BRIDESMAID, PERLE DES JARDINS, METEOR and CARNOT
From 2½ inch pots. Write for prices.

ULRICH BRUNNER
Strong plants of hard wooded cuttings from 2½ inch pots, $4.00 per 100; $35.00 per 1000. This is gilt edged stock and has a reputation of its own. Last year we could have sold 10,000 plants after our stock was sold. Sample for 10 cents.

New Dwarf Canna Gloriosa, without exception the most useful and beautiful Canna yet introduced. Plants from 3 inch pots, $2.00 per doz.; $12.50 per 100.
Canna Flamingo, dormant roots, $3.00 per 100.
Canna Paul Marquant, dormant roots, $2.00 per 100; $15.00 per 1000. ORDER NOW.
Canna Chas. Henderson, dormant roots, $2.00 per 100; $15.00 per 1000.

ROBT. SCOTT & SON, 753 So. 19th St., Phila., Pa.

New Commercial White Carnation GENESEE

A Carnation for everybody, because anybody can grow it. **$10.00 per 100.**
Detailed Priced Circular Free.

DAN'L B. LONG, Sales Agent, - BUFFALO.

FOR THE EASTER SEASON.

Azalea Indica, well set with buds, 40c, 60c, 75c, $1.00 each.
Larger Plants, prices accordingly.
All fine Plants.
Spiraea Japonica, 25c each.
Hydrangeas, well set with blooms, 75c, $1.00, $1.50 each.
Lilies (Harrisii), **Tulips, Hyacinths,** at low prices.

Exceedingly fine lot of PALMS.

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch $1.00 each. **Latania Borbonica**—4-inch, 20c, $16 per 100; 5-inch, 40c; 6-inch, 75c and $1.00; 7-inch, $1.75 each. **Phoenix**—5-inch, 40c; 6-inch, 75c each. **Kentia Belmoreana**—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each. **Kentia Forsteriana**—4-inch, 35c; 5-inch, 50c; 6-inch, $1.00 each. **Cocos Weddeliana**—3-inch, $20 per 100; 4-inch, $30 per 100. **Araucarias**—60c, $1.00, $2.00 and up.

Fine specimen plants of the above in larger sizes at low prices. Cash or satisfactory reference.
Special prices on Bedding Stuff.

JOHN BADER, - . Allegheny City, Pa.
Long Distance 'Phone 872.

Clucas & Boddington Co.
SEEDS, BULBS AND PLANTS
501-503 W. 13th Street
New York City.
Tel. Call 403 18th St.

Marie Louise Runners

25,000 at $4 per 1000; 60c. per 100.

WANTED 500 Maids, 600 Brides, 200 Perles, 200 Beauties, 200 Meteor, 200 Belle Siebrecht, 2½-inch pots.

HILLSDALE FLORAL PARK,
Mention Florists' Review. HILLSDALE, MICH.

Seed Stores and..... Flower Stores

Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.

The WALKER FERTILIZER CO.
Clinton Springs, N. Y.

N. DAMES,

OF THE FIRM

VANDERHORST & DAMES,

BULB GROWERS,
LISSE-HEEMSTEDE, - HOLLAND,

is on his round-trip in America. To save time please address all letters up to May 15th,
Care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York.

Give us list of your wants and we will send you our best quotations. Our specialties are:

Double Von Sion, Hyacinths and Tulips.

Surplus Stock Cheap.

500 Hydrangea Paniculata 4 years old, strong and stocky at $10.00 per 100. 500 Cannas Austria, strong from 4 in. pots, $10.00 per 100; 500 Coleus Verschaffeltii, strong stock plants from 2½ in. pots at $4.00 per 100.

EVENDEN BROS.
Williamsport, Pa.

FOR SALE!

SIX SHARES OF STOCK
...IN THE...
American Florist Co.

This stock has sold freely at $100 a share in the past. To close out my interest I offer my remaining six shares at.....
$60 a Share.
Address G. L. GRANT,
520-535 Caxton Bldg., Chicago.

Field Grown Roses

	Per 100
K. A. Victoria, own roots, 2-yr	$10.00
Meteor, " " "	10.00
Meteor, one year from cold frame	6.00
Beauty, " " " "	8.00

ROOTED CUTTINGS.
Bride, Bridesmaid, } $1.50
Meteor and Perle, } per 100.

BROWN & CANFIELD, Springfield, Ill.

CALIFORIA VIOLETS,

Rooted Runners, 50c per 100.
CLEAN STOCK.

L. E. HITZ, Madison, Ind.

PALM SEED

A List of All Varieties upon Application.
J. L. SCHILLER, 404 E. 34, New York

NEW
GARNATION, **"EMPRESS"**

The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

WM. SWAYNE,
Box 226. Kennett Square, Pa.

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Carnations

New Carnations

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

KATHLEEN PANTLIND

DAYBREAK X SCOTT

Is a much more substantial flower than Daybreak; color a shade or two darker, and entirely rust proof. Can be seen at Vaughan, McKellar & Winterson's, Chicago, every Wednesday and Saturday.
PRICE—$1.50 per 12, $10 per 100, $75 per 1000.
PREMIUM—5 Red Wave with every 100 Kathleen Pantlind.

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

5,000 Gardenia Florida

(Cape Jasmin.)

3-in. pots, 8 to 10-in high, $8 per 100, $70 per 1000.

25,000 Cannas, dormant roots, in 20 best sorts, $20 per 1000.

Oranges, best sorts grafted, 4-in. pots, 10 to 12-in., $20 per 100, 5-in. pots, 15 to 18-in., $30 per 100.

Crotons, 3-in. pots, $10 per 100.

Send for Trade List. Address

P. J. BERCKMANS
AUGUSTA, GA.

INSURE AGAINST FIRE
IN THE
Florists' Mutual Fire..... Insurance Association
Address W. J. VESEY, Sec'y,
Fort Wayne, Ind.

GERANIUMS,

	Per 100
Bruant, fine 3-inch	$2.75
Mixed Scarlets and Pinks, 3-inch	2.75
Rose, large leaved	2.50
Begonias, best varieties, 4-inch	4.00
Coleus, " " cuttings	.95
Cyperus Alternifolius, 2½-inch	1.50

Stock sure to please. Cash with Order.
GEO. L. MILLER, Newark, Ohio.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS** and Dealers in
FLORISTS' & SUPPLIES

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.
Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.
Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

BENCHES.

I would like to ask Mr. H. W. Gibbons why he advises S. H. E. M. to build his benches next to the wall plates instead of having two 69-inch benches and three 18-inch walks in each house. By this plan he would lose six inches of bench room, but wouldn't he have more blooms on account of the gutter plates not shading, and having a better circulation of air all around the benches? B. J. P.

The benefit of the arrangement suggested by B. J. P. would be but slight, and it would be subject to counteraction by the increased range of shade thrown by the gutters, which would necessarily be built higher in order to allow of ample head-room along the line of the side paths. Also, to a beginner the loss of six inches of bench room and the additional cost of construction resulting from the higher side walls, are items worthy of consideration. HENRY W. GIBBONS.

New York.

HARTFORD, CONN.

Stocks are plentiful and prospects good. John Coombs reports a big batch of advance orders. Geo. S. Osborn endorses this and is well pleased with returns since he launched out with three excellent houses, together with shed and office, to which he intends adding. Mr. Osborn is the newly elected president of the Connecticut Horticultural Society, and is a hustler.

W. M.

ROSES! Own Roots, Dormant, Field Grown

In Cold Storage in Chicago.

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers
and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,
1308 Unity Building, Chicago, Ill.

UP-TO-DATE
CARNATIONS.

18 varieties of '98. 15 varieties of '97.

All the best standard sorts.
Send for descriptive Price List.

GEO. HANCOCK & SON, Grand Haven, Mich.

DOUBLE DAISIES

in flower and bud, $1.25 per 100, $10.00 per 1000.
Cash With order.

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Carlisle, - - - Pennsylvania.

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IRON PLANT STANDS
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WHEAT SHEAVES
our specialty
WIRE DESIGNS, TIN FOIL
WAX PAPER, ETC.

Prices on Application..... 25 N. 4th St., PHILADELPHIA, PA.

Try a Few of the
NEW CARNATION
CERISE QUEEN

$2.00 per doz.
$10.00 per 100.
$75.00 per 1000.

Mayor Pingree, $5.00 per 100; $40.00 per 1000.

JOHN BREITMEYER & SONS, Cor. Miami and Gratiot Aves., Detroit, Mich.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $2.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

Rose Hill Nurseries

Largest Growers of Palms, Orchids, Stove and Greenhouse Plants, Ferns, Araucarias, Pandanus.

New Wholesale Price List will be ready March 20th.

SIEBRECHT & SON,
New York Office, 409 Fifth Av. New Rochelle, N.Y.

You will miss it

If you do not stock up with that grand white **Flora Hill**, at $5 per 100; $40 per 1000. Portia, Scott and McGowan, $1 per 100; $8 per 1000. 100,000 ready. Send for list of novelties and other standard sorts.

WM. MURPHY, Sta. F, Cincinnati, O.

Always mention the Florists' Review when writing advertisers.

NEW GIANT ESCHSCHOLTZIAS,
"The Golden West,"
50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Venture Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea., Cal.

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When Writing Advertisers.

LARGE STOCK OF....

ELLIS & POLLWORTH, Wholesale Cut Flower Growers' Agents, P.O. BOX 75, PHONE 1273, W. F. ELLIS, C. C. POLLWORTH

Cut Flowers For Easter

ALSO FINE LINE OF....

Spiraea Plants, $3.00 per dozen.
Calla Plants, in bloom, $3 per dozen.
Azaleas, in bloom, $1 to $2 each.
Hyacinth Plants, fine spikes, $8 per 100.

ELLIS & POLLWORTH, - - - 137 Oneida Street, Milwaukee, Wis.

HERR'S Experiences .....WITH Carnations

READY NOW.
Send for them—they are sent free.

HERR'S SMILAX
$5.00 per 1000; 75 cents per 100.
Samples, Ten Cents.

ALBERT M. HERR
LANCASTER, PA.

..Areca Lutescens..

LARGE HEALTHY STOCK

3	Plants,	6-inch	Pot,	24 to 32	inches	high,	very	bushy,	each $1.00
3	"	7-inch	"	32 to 36	"	"	"	"	..... 1.50
3	"	8-inch	"	36 to 38	"	"	"	"	..... 2.00
3	"	8-inch	"	42 to 48	"	"	"	"	..... 2.50
1	"	10-inch	"	4 to 5	feet	"	"	"	..... 5.00

All Measurements from Top of Pot.

JOSEPH HEACOCK, Wyncote, Philadelphia, Pa.

To Make Room

Aster Plants, 60c. per 100; $5 per 1000.
Pansies, small transplanted plants, 60c. per 100; $3 per 1000.
Alternanthera, Aurea Nana and P. Major, 2¼-in. pots, $1.50 per 100.
Feverfew, Little Gem, 2¼-in. pots, $1.50 per 100.
Salvia Clara Bedman, 2¼-in. pots, $1.50 per 100.
Lycopodium Denticulatum, 2¼-in. pots, $1.50 per 100.
Strong R. C. Carnations, 20 varieties.
SEND FOR PRICE LIST

Above stock is unusually strong and grown cool.

THE MORRIS FLORAL CO.
MORRIS, ILL.



PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

Azaleas, Bay Trees, Araucarias, ..Palms

SANDER, Bruges, Belgium.
A. DIMMOCK, Agent, 60 Vesey St., New York.



100 ACRES IN ORNAMENTAL TREES AND SHRUBS

Deciduous, Evergreen, Hedging, Vines, Bulbs, Tubers, Etc.

NEW 1898 CATALOGUE, 40 PAGES, FREE.

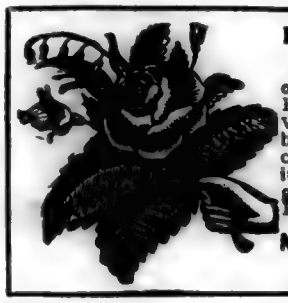
The. Wm H. Moon Co., Glenwood Nurseries, MORRISVILLE, PENNA.

Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

FOR PRICES AND PARTICULARS
Address Luther Armstrong,
3720 Olive Street, ST. LOUIS, MO.

100,000 ROSES...



FREE to ALL.

Our Illustrated Catalogue of ROSES, PLANTS, SEEDS BULBS and ROOTS, GRAPE-VINES, SHRUBS, ETC., will be mailed FREE to all applicants It will pay to examine it. 60 greenhouses Goods guaranteed to be first-quality Established 1850.

NANZ & NEUNER Florists
Louisville, Ky.

Send Your List to be Priced.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application,

JACOB W. MANNING,
The Leading New England Nurseryman. ESTABLISHED 1854. READING, MASS.

Always mention the Florists' Review when writing advertisers.

PROVIDENCE, R. I.

"Fear not, but put your trust in Providence," is the title of an old song, and judging by the manner of the craft here they are following the injunction to the letter by raising abundant stocks and anticipating good returns at Easter. There seems small doubt but that their hopes will be realized.

A preliminary meeting was held on the evening of the 29th to discuss the question of prices, which promise to be rather stiffer than usual. An adjournment was taken to visit the famous alleys in order to limber up, as it were, for the Easter fray. Our poet-author, J. Austin Shaw, is a cracker-jack at bowling, making a score of 177 and forced to gutter a few to save our Johnny. The writer was in splendid fettle, but must yield the palm to Alex Miller, who is as successful at this pastime as he is at growing roses and carnations. W. M.

SOME ARITHMETIC.

In their advertisement in this week's issue the American Jadoo Co. present some interesting figures as to the comparative cost of Jadoo Fibre and ordinary compost, and show that on account of the saving in size of pots the Jadoo is the cheaper even if the soil cost nothing, and every grower knows that it does cost to make a good compost. This is a phase of the question that touches the plant grower's pocket and will undoubtedly receive careful consideration.

Mr. Fred W. Williams, Stillwater, N. Y., writes: "Jadoo is the finest thing in the world to start seeds in. I would not be without it if the cost was 10 cents a pound. In fact, everything grows and thrives in Jadoo."

PHILADELPHIA.

"The Heacock Wheelmen" is the latest addition to the Florists' clubs of Philadelphia. The officers are: Joseph Heacock, president; Dory Shoher, vice president; James Heacock, secretary; Geo. Farrell, treasurer; Robert Jamison, captain; Patrick Bolland, lieutenant; Charles Vrabec, color bearer.

Other members are Geo. Miles, Victor Ronkins, Christian Haenni, Wilson Mooney, Marshall Rogers and Michael Bolland.

The new organization meets every week at the Heacock Nurseries, Wyncote.

TAYLORVILLE, ILL.—Frank Shaffer, formerly of Pana, Ill., has purchased the Cook greenhouses and will continue the business.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

WE HAVE PLEASURE IN OFFERING TO THE TRADE THIS SEASON FOR THE FIRST TIME ONE OF

The Finest Novelties in Chrysanthemums

—EVER SENT OUT—

...MRS. O. P. BASSETT...

It will only be necessary for us to state that **This is a Yellow Mrs. Henry Robinson**

to ensure for it a large sale. It is a sport from Mrs. Henry Robinson, with which variety it is identical in every respect except color, being a delicate primrose yellow, deepening toward the center of the flower. It has been thoroughly tested, and is a novelty of sterling merit. One of the most eminent eastern growers who has tested it states that it is one of the best things in Chrysanthemums sent out in some time. Every Chrysanthemum grower will want it. **A Yellow Mrs. Henry Robinson** will be a money-maker, and a fine exhibition variety as well. Plants now ready for delivery. We have also fine stocks of the other finer introductions of the year—**FRANK HARDY, MRS. H. WEEKS, AUSTRALIAN GOLD.**

Price, $3.00 per dozen; $20.00 per 100.

Wm. H. Chadwick, $6 per doz. The Yellow Fellow, $3 per doz. Pennsylvania, Autumn Glory, Solar Queen, Black Hawk, Quito, Thornden, $5 per doz.; $35 per 100. Boundless Snow, Mrs. C. H. Peirce, Miss Gladys Vanderbilt, $3.50 per doz.; $25 per 100.

We offer also all the best of the **Novelties for 1897,** and the **Best Standard Sorts.** Send for our wholesale list and large descriptive catalogue, giving full list of varieties and prices. We have a very large and fine lot of Novelties in Cannas for 1898, also best and latest introductions in Carnations, Dahlias, Strong Field-grown Roses and other Hardy Plants, a large and fine collection of Palms and other Decorative Plants, etc., etc.

We will be pleased to send our wholesale list and descriptive catalogue to any one who may not have received them.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

BRAZILIAN TONIC PLANT FOOD.

A GENUINE GUANO. SOMETHING NEW AND WELL TESTED.

PLANT BRAND. A natural fertilizer for Palms, Tropical and Pot Plants; it intensifies color, possesses healthful and invigorating qualities, and is harmless and odorless.

FLOWER BRAND. For Carnations, Roses, Violets and all bench and flowering plants. A trial will convince you a long felt want is at last supplied.

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36 First Prizes out of 39 entries in 1896 and 1897

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2½-in. pots, named varieties, $25 per 1000.
250 Field-grown Vinca Var., 4-in. pots, $10 per 100.
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A NEW BOILER.

As will be seen by our advertising pages this week there is a new sectional boiler in the market which can be used for hot water or steam heating. It bears the name of an old firm that has always had a reputation for doing good work; the name of the new boiler is the "Weathered." Mr. Samuel Burns, the inventor, is a man of large experience in heating matters, and is always found at his best when working out some knotty problem in greenhouse heating. The business of the Weathereds was established in 1859 by Thomas W. Weathered. Mr. Burns entered his employ in 1868 and has been with the firm ever since. This new boiler shows every evidence of careful study, all the details of greenhouse requirements having been provided for. From a careful consideration of the cuts submitted to us we should say that the new boiler has some entirely new features. We are informed that this boiler has been under consideration for a long time and is the result of careful calculation and experiment. The inventor claims many things for it, and we commend it to our readers as something that may prove of value to the trade. Send for catalogue giving full particulars.

NEW LONDON, CONN.

I spent a pleasant and profitable couple of hours the other day with the veteran John Spalding, whom I found looking over some fine plants of Araucaria imbricata and Gold Queen holly. These were pretty plants, but how insignificant to those noble specimens we have seen flourishing in the northern section of the Emerald Isle. We remember particularly one specimen of the first mentioned towering thirty feet tall and of immense spread, not an imperfect needle or spine upon it. Mr. Spalding also had some well-grown pots of lily of the valley, one of the best lots of Easter lilies I have yet seen, pansies in pans, Dutch hyacinths, a fine bed of antirrhinum Queen of the North, all just right for Easter, while among general stock I noted the very fragrant Lycaste aromatica, an excellent orchid for boutonnieres, and also many aquatic plants. W. M.

GALESBURG, ILL.—Gesler & Robbins narrowly escaped a bad fire the morning of March 26. An overheated steam pipe set fire to some adjoining woodwork, but fortunately the flames were discovered in time to prevent any serious loss.

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Latania Borbonica, 4-in. pots, 12 to 15-in., 1 to 2 ch. leaves	15.00
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Phœnix Reclinata, 4-in. pots, 12 to 15-in.,	15.00
" " " 5-in. pots, 15 to 18-in.,	25.00

The above quotations apply to quantities of not less than 50 plants of a sort. For smaller quantities see Trade List.

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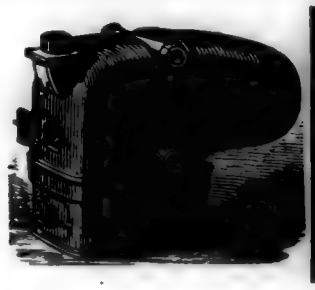
Crimson Bedder, Candidate, Mrs. J. C. Vaughan, Fire Ball, Lavender, Swayne's Beauty, Francis, Peri, Pink Beauty, Aurora Borealis, Negro, Miss Arthur, Willie Desmond, Mrs. Cleveland, 15c per dozen; 70c per 100; $6.00 per 1,000. All nice, clean stuff. Express paid.

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4000 4-inch pots, ...	31.16		
Cost of Pots and JADOO FIBRE for 4000 plants,	$58.66		

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PLANTING AROUND A FOUNTAIN.

Reading the question and answer in No. 18 of the Review, recalls to my mind the planting of a strip around a fountain in the park of Allegheny City, Pa. The strip was six feet wide and was planted with Caladium esculentum, with a border of perillas, I believe. The effect of the caladiums was grand, and nothing could have been finer. HENRY EICHHOLZ.

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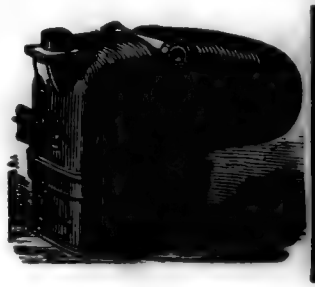
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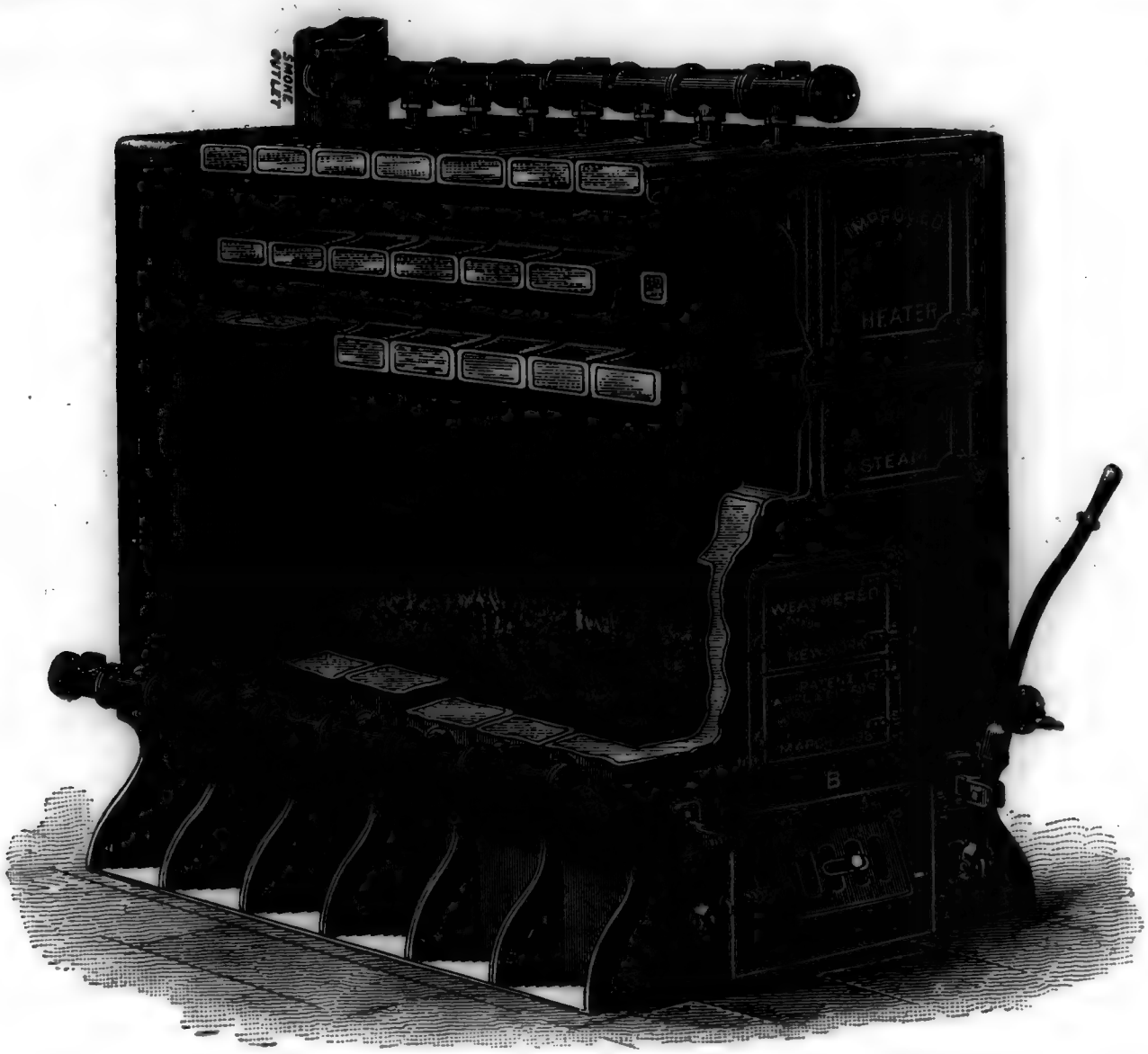
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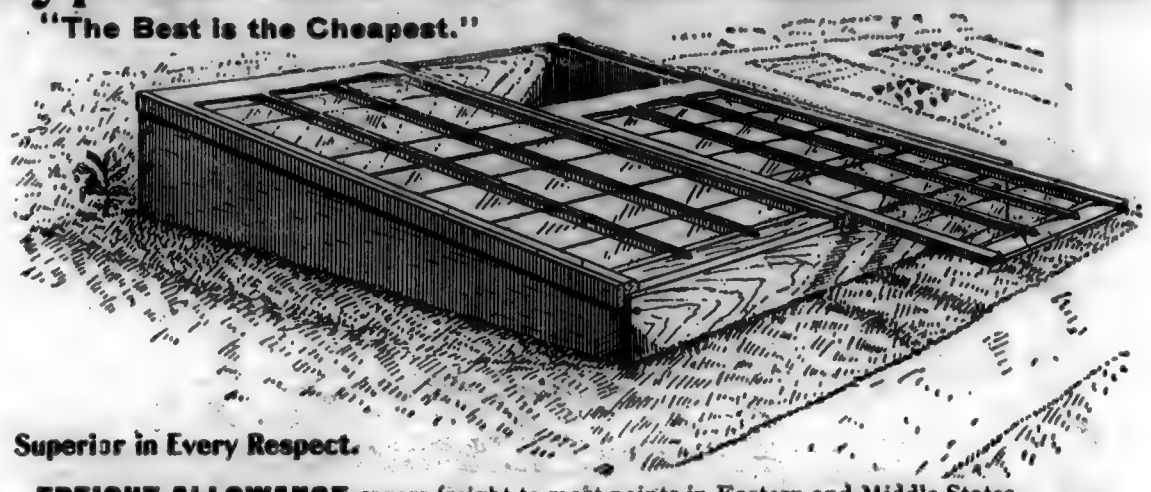
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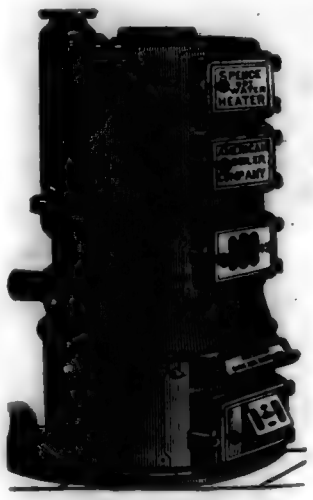
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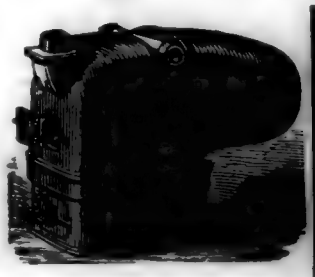
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THE WEEKLY

FLORISTS' REVIEW

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Vol. 1. CHICAGO AND NEW YORK, APRIL 14, 1898. No. 20.



A corner in the store of Mr. Geo. M. Stumpp, New York, at Easter.

EASTER NOVELTIES.

In this issue we present views of a number of Easter novelties seen in the beautiful store of Mr. Geo. M. Stumpp, New York, where the latest is always to be found. The titles of the engravings are sufficiently descriptive. Next week we shall present other examples.



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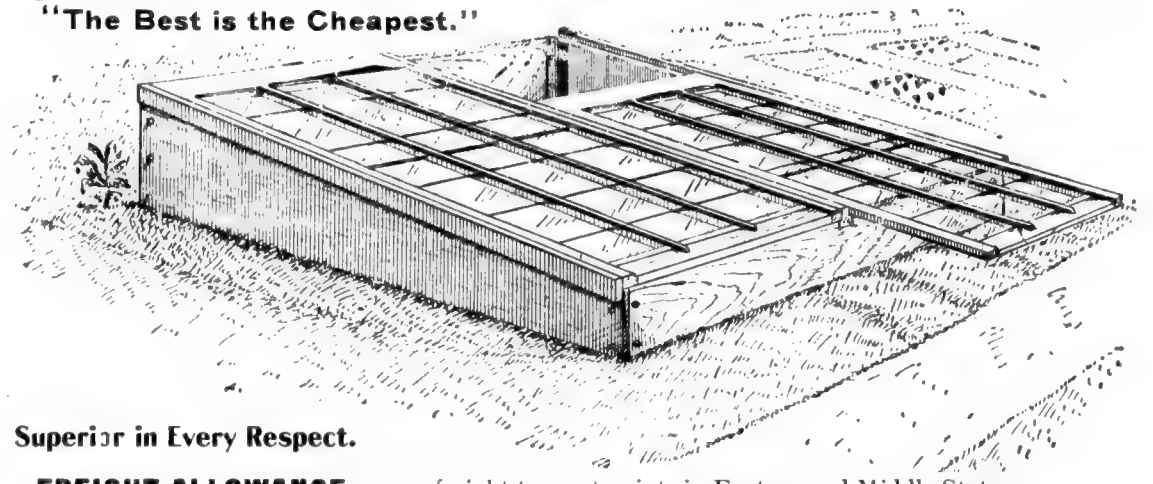
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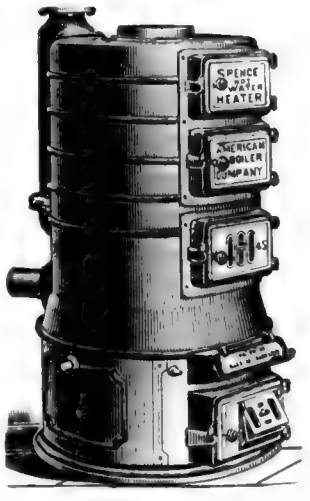
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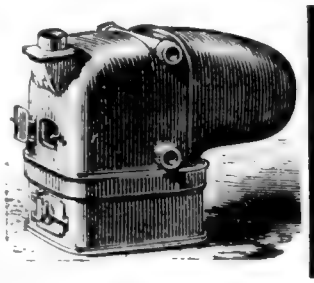
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THE WEEKLY
FLORISTS' REVIEW

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A corner in the store of Mr. Geo. M. Stumpp, New York, at Easter.

EASTER NOVELTIES.

In this issue we present views of a number of Easter novelties seen in the beautiful store of Mr. Geo. M. Stumpp, New York, where the latest is always to be found. The titles of the engravings are sufficiently descriptive. Next week we shall present other examples.

EXPERIMENTS WITH VIOLETS: CONCERNING STOCK.

An experiment was begun upon violets in the autumn of 1896. The plants were bought through a private individual in the open market to avoid any favoritism that might possibly have otherwise been shown the experiment station. Nine lots of plants from widely separated localities were purchased of firms who were advertising violet plants in the leading florists' journals. All nine lots of a hundred plants each were bought for the Marie Louise variety.

The following table gives the number assigned to each lot as it was received, the state from which they were shipped by express, the price per hundred paid and whether the plants were potted or field grown:

No. 1—Connecticut, $4.00 per 100 potted plants.
No. 2—New Jersey, $2.50 per 100 potted plants.
No. 3—Pennsylvania, $3.00 per 100 potted plants.
No. 4—Kentucky, $2.50 per 100 field-grown.
No. 5—Michigan, $5.00 per 100 field-grown.
No. 6—Illinois, $4.00 per 100 field-grown.
No. 7—New York, $6.00 per 100 field-grown.
No. 8—New York, $3.00 per 100 field-grown.
No. 9—Michigan, $2.50 per 100 potted plants.

These nine lots of violets were all true to name except No. 4, which proved to be Lady Campbell.



Deutzia Gracilis, trimmed with white lace ribbon.

The experiment called for fifty-two boxes, two feet square and six inches deep, arranged in thirteen series, and four boxes in each series. Each box received one of each of the nine lots of plants, the position in all boxes being the same, and was as follows:

No. 1.....No. 2.....No. 3
No. 4.....No. 5.....No. 6
No. 7.....No. 8.....No. 9

It will be seen from this that the Connecticut grown plants all occupied the upper right hand corner, while one of the two Michigan lots was in the middle and the other at the opposite corner from No. 1.

Each set of four boxes received a different treatment, but the nine lots of plants had the same range of treatment, and therefore the total output of blooms is something of a guide in judging of the value of each stock. The following table gives the condition of plant at the time of setting out the plant and at the close of the experiment for the average of the set of boxes receiving manure. Fifty (50) was assumed as the standard of the scale for first-class plants, size and apparent vigor being the chief means of judging:

	Grade at Setting.	Grade at end.	Blooms Produced.
No. 1	17	28	9
No. 2	12	5	2
No. 3	22	23	27
No. 4	26	12	12
No. 5	47	62	105
No. 6	42	58	56
No. 7	44	35	33
No. 8	38	48	65
No. 9	35	54	75

From this table it will be seen that there was a gain in the plants in all except Nos. 2, 4 and 7, the increase in vigor being only one point in No. 3. The greatest gain was in No. 5, the plants being so vigorous at the close as to merit a grade of 62. When the blooms are considered it is seen that there were over a hundred in No. 5, the next best being No. 9, with 75 blossoms. The smallest was in No. 2, when the plants gradually "went back," as it is termed. The first four numbers were all poor and the second four were all better than any in the first four, both in grade at time of setting and at the end of the experiment.

That it might be known that there was no influence in the situation in the boxes, a set of the nine lots was grown in a cold frame where the same grading and flower product was maintained throughout the twenty weeks that the plants were under experimentation.

One swallow does not make a summer and one experiment ought not to settle matters that are so obscure as violet troubles, but it is indicated that much depends upon the stock that is used for the growing of violets.

It would be hard to convince the writer that any conditions, however favorable, would have ever made a profit out of the New Jersey plants. These were pot grown, cost $2.50 per hundred and under the conditions that gave 105 blooms for another stock, produced two small short-stemmed practically worthless flowers, while the plants nearly died in the feeble attempt.

It will be seen from the table that of the nine lots four are pot grown; and it was found for the whole experiment that there were two and a half times as many blooms upon field-grown as upon potted plants. While this does not prove the superiority of either method of growing the plants, it suggests the importance of methods, to say the least.

The highest priced plants were No. 7, six dollars per hundred, and this lot was exceeded in blooms, when the



Easter Lilies Dressed with Pink Ribbon and Asparagus.

whole series of fifty-two boxes is considered, only by No. 5, which was the next highest in price, namely, five dollars per hundred.

Upon the other hand, of the three lots costing $2.50 per hundred, the lowest price paid, one, No. 9, stood third in output of blooms. From this last fact it follows that the highest priced plants do not always produce the most blooms and likewise the lowest priced plants do not always yield the fewest flowers. The three lots costing $2.50 per hundred gave about one-half the blooms produced by the three lots that cost $6.00, $5.00 and $4.00 respectively.

While it is seen from this that price does not govern the quality of the plants, the chances of a profitable output are greater with high than with low priced plants; in short, one should be willing to pay well for the best stock.

BYRON D. HALSTED.

Exp. Sta., New Brunswick, N. J.

MISCELLANEOUS SEASONABLE HINTS.

The Easter that has just passed must have taught us some lessons. It was a great Easter undoubtedly and most everything sold, but did you have your stock well balanced? Our experience was that people who wanted to buy, with few exceptions, were better pleased with a dollar plant than one costing more. Many of the orders received from our best friends were for twenty or twenty-five plants, each to be given to a friend. Now this is what sold or would have sold if we had it, so make a note and remember.

Hyacinths.

A single pot of hyacinths sold well at 25 cents each and ten of them in a 10-inch pan also sold at $2 per pan, but as they are entirely ephemeral the customers for them are not so plentiful as pretty girls in June. Another year we shall grow more pots than pans and have them in several sizes. Nowadays, when you have to crepe paper almost everything, the old-fashioned pot is just as acceptable as the pan. Hyacinths in mixed colors did not take at all. Three hyacinths in a 5-inch pot or half a dozen tulips would have sold well. Remember when planting your pans or pots of hyacinths in the fall that the public know enough not to want mixed up colors.

Azaleas.

They were in rather an over-abundance. Some of our people had very large specimens that did not sell, and I would advise my friends to buy in addition to their regular stock, for which they pay 50 cents in Europe, to lay in a stock of azaleas that can be supplied by American houses at about 35 or 40 cents. We had lots of call for an azalea at $1.50. The extraordinary weather of March rushed out most of the Van der Cruyssen, but it is still one of the best. Buy Van der Cruyssen, Prof. Wolters, Memoire de Louis Van Houtte, Bernard Andre, and Bernard Andre alba for Easter and buy Deutsche Perle and Simon Mardner for Christmas. When you sell an azalea to a customer don't forget to tell him that they want to be almost saturated. The little soil we put around them in potting when they arrive takes up about all of the moisture we give them, and the ball of earth in which the feeding roots exist only gets it by what may be called sub-irrigation or rather capillary attraction. The azalea, beautiful as it is, has rather got a "black eye" this Easter, for the reason that they are not sufficiently watered.

Lilies.

Last year I was foolish enough to think that the lily was going out of fashion. This year has proved the contrary. Lilies sold better than ever, and don't forget to buy only of houses that guarantee absolutely sound bulbs. There is a young man in Philadelphia who can spot the unsound from the sound bulbs; his name is "W. C." It would be cheap to hire him at $10 a day to select your bulbs. There has been an awful cry-out about this disease. It is certainly very annoying, but remember the cost of the bulbs is of little consideration. Suppose they cost you double the price; that would be of little consequence. It is the growing that costs the money. So buy the best and do not be hard on the drummer. We grew a good many Japan longiflorums, put them in 8-inch pots, three in a pot, and thanks to the weather they were in full flower and sold at $2 a plant. The Easter lily is always in demand and as it is emblematic of the occasion will never tire.

Roses.

Of all the sweet things that people love the rose takes the bakery. Buy them now and plant out in your own field, farm or garden. The Belgian grown rose is a beauty of the first water. Some twenty years ago I happened to have a lot of young La Reine. They were planted out, made a great

growth, lifted in November, put in a cold frame and brought in just right for Easter, and sold at the magnificent price of 25 cents. You can buy good stock in the autumn of such noble firms as Storrs & Harrison Co., etc., but if you have them on your place how much better to handle them.

The demand for roses in pots was quite a feature. We had a few hundred American Beauties that were just about right, but not half enough to satisfy the customer who wanted a rose for a dollar. What is more profitable? Instead of importing a lot of expensive azaleas grow Anne de Diesbach, even old La Reine, Jacque, Baroness Rothschild, Capt. Christy or almost any H. P., for they all throw up a glorious burst of bloom on their first endeavor. Peter Henderson said many years ago that the name hybrid perpetual was a misnomer, and among other great truths this was one. In our hot and often dry seasons they are not perpetual no more than is an aster. When I last visited the British Isles I expected to see roses by the million. As good a place as you could see them would be the Botanical garden at Manchester. A dear old man, with white hair and sincere piety, showed me around. I expected to see, particularly, the roses and they were a dismal failure, unlike the roses that we knew in our youth. Make up your minds that instead of buying azaleas at a considerable cost that roses in a 6-inch pot with two flowers open and two buds to come will sell at sight. How to just do this will appear in the columns of The Florists' Review a little later.

Cinerarias.

The cineraria as a house plant is a humbug of the first water and not worth any expression of an over-worked intellect. It's cheap, always has been, and although a fairly decent house plant too often succumbs to natural gas and society talk.

Metrosideros (Bottle Brush).

This is really an attractive plant and as the public is always wishing something new, I would advise placing an order for them. It is so novel and unlike anything else that it sells on sight.

Cytisus (or Genista).

It is not my nature to give a plant a bad reputation, but I have this to say, that it is one of the most unsatisfactory plants that you can palm off on a customer. If they will keep it very cool and very much wet, it may last for 48 hours and then the symptoms of dissolution appear. Now is the time to buy young plants of cytisus and plant them out for they lift poorly. Keep on growing them and never be afraid that you are pinching them too much. You can take the shears and clip them as the barber does your hair and it will do them good as it does you.

Mignonette—Violets.

Plants grown in a violet house all winter and were little sturdy plants were lifted about five weeks ago and put in pans. They sold well. Pots of violets sold well and there were not enough to fill the wants of everybody. The way to grow violets in pots is just so: When dividing your plants, or taking cuttings this spring, have several thousand more than you need. Plant in a cold frame end of May or early June. I say cold frame, but no frame is needed until the month of November, then they should be covered with glass. If the winter is what we usually expect, you will not pick violets after Christmas and not again till the middle of March, but they are the stuff from which you are to propagate, because they have not been subjected to any conditions adverse to their normal propensities.

There are three great days when you want violets, that is Thanksgiving, Christmas and Easter, and of course you want them at other times. For two of these big days we can accomplish this by the use of cold frames. You can have them in better perfection in a cold frame for Thanksgiving than any costly house, and certainly for Easter they will be just as prolific, just as sweet and will realize just as many dollars. The violet genus is above all plants the easiest to reproduce from transplanting, so you can lift the dormant plants in February and with judicious treatment have them a lovely gift for Easter. Wishing everybody had as good and profitable an Easter as the old man, I am, most respectfully, WILLIAM SCOTT.



Crimson Rambler Rose trimmed with Lace Ribbon.

THE FLORIST AND THE FLOWER SHOW.

[Read by George C. Watson, before the New York Florists' Club, April 11th, 1898.]

It gives me much pleasure to appear before the members of the New York Florists' Club this evening and tell them what I think of the relations that should exist between the florist and the flower show. I believe I can interest you for a few minutes on that subject without lugging in any of our Philadelphia wheezes about New York being such a sleepy Rip Van Winkle old town. Our friend Lonsdale and some more of his kidney tell me they always like to come to New York when they want a good rest, you know, but I guess that is only just their airy way of getting back at you fellows for some sweet things you have got off in days gone by about Philadelphia—the greatest city in the country—which I could easily prove to your satisfaction with facts and figures, if necessary, only I know that you know it in your hearts.

One thing I will mention, however, and that is that Philadelphia has the finest home of horticulture of any city in this country, if not in the world. Artistically the building is a dream of beauty both externally and internally, and it represents an investment of over half a million dollars. That is something for patriotic New Yorkers to ponder over and is respectfully submitted to the fourth estate. It will be useful stuck up on the editorial desk when the temptation to be witty is strong. But that splendid monument to horticulture, completed but a few years since, took its birth away back many generations ago among the ardent commercial and amateur florists for which Philadelphia has always been noted. These men of old were keen exhibitors. At first they had no home to invite the public to, but had to hire a tent or hall; then they got a modest structure, then a more ambitious one, and finally the present palatial edifice.

The question naturally arises: Does the florist of today reap any benefit from the exhibitions of his predecessor? I answer unhesitatingly, of course he does. Would the present generation be educated in horticulture to its present extent without the stepping stones laid for them by past generations? The commercial florist of today in Philadelphia and Boston and New York and other cities is being benefited by the



Crimson Rambler Rose with Genista Fragrans in Gilt Basket.

seeds that were sown long ago. Not that his predecessors thought much about posterity. What they wanted and what he wants is the applause and the dollars of the living. The flower show was recognized then as a powerful factor in educating the people in this most beautiful art of gardening, and with education came business. It's the same today. Grow things well and get the people to come and see them. The business will grow in its turn, and thrive amazingly in this sunshine of publicity. Look at the chrysanthemum! How many were sold previous to the time you commenced to grow and show them well a dozen years ago, and now look at the myriads of them that are being distributed every year. Look at the carnation, the rose, the lily, the azalea and many other flowers. Exhibitions have done much for all of them, and trade has been greatly stimulated and expanded.

All this seems to go without saying, but for all that, it is surprising to find many commercial florists of the present day who are lukewarm on the subject of exhibitions and who can only be induced to come forward and do their share when hired—that is either with hard cash in prize money or pieces of plate. It seems to me the feeling ought to be just the other way; a commercial florist ought to be so eager to advertise himself by showing his products to an admiring public that he would willingly pay handsomely for the space occupied and consider it a favor and a privilege to be allowed the opportunity.

Another attitude of a great many commercial florists at the present time is, in my poor judgment, wrong. That is to say because the admissions do not pay all expenses, including fat prize money, that the show is a failure. There is surely another criterion to judge by than the box office. A show may be very successful in every way and the public may crowd to see it and yet the expense of getting it up may be so great that the admissions do not cover it. But why should that be cause of despair and much talk about the show having been a failure, and flower shows don't pay, anyway, and all that sort of thing. I think that attitude all bosh. I believe flower shows pay if not one cent is taken in at the box office. And the better they are the better they pay. They pay for the time being and for the future. There is no measuring when their effect stops. They are like a stone dropped in the water. The circles keep on widening and widening and the whole trade reaps the benefit. I believe every florists' club ought to give frequent flower shows, three or four times a year at least. Don't say I am too busy. It is a part of your business. It gives you a chance to meet old customers and make new ones. It is advertising of the most effective kind. Business begets business, and to get business you must make a noise. There is no better way of making yourself felt than through the public exhibition. Experience teaches this, history proves it and common sense clutches it.

If the commercial florists in a community find the presence of a Horticultural Society in their midst let them rejoice. Instead of making a machine to educate their neighbors at great expense here is one ready to their hands and already doing the work. It does not take a house to fall on a man to make him see that, and the potentiality of such an institution for the furtherance of the business interests of the florists' trade. A florists' club can organize a flower show, can run it successfully and achieve great and lasting good, but the individual members can do more with less effort by assisting their Horticultural Society. The Horticultural Society is closer to the general public, who do or may garden for pleasure, being in fact a part of it, and is therefore more powerful because no one can say, "Oh, they have goods to sell." I want to dwell on that point. I think it important. Many will say, a florists' club can run a flower show just as well, nay, better than a Horticultural Society. As to that they may give a better display, but they will not have the same influence with the public. Take the American Carnation Society for instance. The devilish maliciousness of the individual who nicknamed it "the rooted cutting society" is an example of what poison can be injected by a lie that is not all lie and therefore much more deadly than a downright untruth.

On the whole, I think the florist can get the most good out of the flower show if he investigates it through the medium of an amateur organization, but I do not wish to minimize the power of a frank and candid trade show for

advertising purposes. I hope for a great awakening to the possibilities of expanding the flower business in this country by the concentration of attention on the matter of extending the market, increasing the demand. The selling of our product is considerable of a science, as many of our bright growers have found to their sorrow. Many have made the mistake of thinking that anything when well done will sell itself. Don't you believe it. You must first have your public educated up to the point of knowing a good thing when it sees it.

And, gentlemen, in conclusion, that's the nigger in the woodpile. There ought to be a great deal more attention paid to preparing the ground of the public mind, sowing the seed thereon, cultivating, weeding, training, watering it—day in and day out, keeping all the time at it and never letting up. If this thought could be thoroughly worked into the composition of the little army of 15,000 or 20,000 commercial florists in the United States do you doubt for a moment the immense expansion of the business and the honor, glory and profit to all concerned? I don't, for one, and that I take it is the interest the florist has in the flower show, and is the reason why I think all florists should support the same much more warmly than many of them now do. They're a good thing. Ask for them. See that you get them. And for heaven's sake get rid of that insane idea that it is the number of dollars taken at the box office that makes a show successful.

PHILADELPHIA.

A Glorious Easter.

It was a glorious Easter. This is the general opinion. Nearly everybody had a better Easter than last year, and nearly everybody is happy. Last year it was a growers' Easter, and this year it might be fairly termed a dealers' Easter. I do not mean by this that the growers are not content, but that the conditions favored the dealers.

The weather in the early part of the week was below freezing each night, and until Saturday continued remarkably cool for the season. This helped the dealers keep their blooming stock in nice condition, enabled them to deliver it without extra expense for wrapping, and kept the supply of cut flowers down and the quality up, to say nothing of being just right for the shoppers. The growers had more to contend with. The snow storm and cold on Tuesday made delivering plants slow and expensive. The warm weather preceding this week of cold tended to bring the crops of roses and carnations in too fast in many cases.

Prices were good, a little better all around than last year. This was partly due to the really excellent quality of nearly every class of stock; it was worth more and partly, perhaps I should say chiefly, to the demand, which exceeded the supply.

Lilies were very, very scarce. Other flowering plants benefited by this fact, but even other flowering plants did not hold out when good. A great many of the growers sold out clean. It is believed that most dealers did likewise, or so nearly so that what remains will be needed for this week's weddings.

There was some uncertainty about cut flowers early in the week. True, the weather and general business conditions favored good prices, and Secretary Rust, who is well posted, said: "There will be no surplus stock this Easter." Still it was said that S. S. Pennock had submitted his scale of prices to Pennock Bros., and that those astute young men had allowed him to leave without giving an order for fancy Beauties, preferring to wait and see.

With Friday came confidence. The dealers bought freely and prices were firm. Beauties brought $1 to $6 a dozen, and a few are said to have brought more; Brides and Maids, $8 to $12; carnations, $3 to $4, with fancies a shade higher; lilies, $10 to $12, a few selected for shipping orders $15; valley, $3 to $4; tulips, $4 to $5; daffodils, $3.

Lily Disease.

The club meeting held on Tuesday evening was devoted to the lily disease and proved most interesting. The stormy weather and busy season rather diminished the attendance.

President Harris delivered his paper and a general discussion followed, which was participated in by Robert Craig, Henry F. Michell, George C. Watson, Isaac Kennedy, George Anderson and others. The general opinion seemed to be that the trouble was caused by a mite which entered the bulb in Bermuda. It was suggested that various forms of insecticides should be tried. One speaker thought the bulbs ought to be packed in Bermuda for shipment in tobacco dust, with a little sulphur added, using a very tight box, in order that the fumes caused by the action of the heat on the packing material might destroy insect life in transit. A report from the United States Department of Agriculture at Washington says that they do not believe the insects can be killed without injuring the bulbs.

A motion that the club request its members to secure a written guarantee when purchasing imported stock was tabled, the idea being that it was inexpedient for the club to do this, as such a request could not be enforced. It seems to me the club missed a chance to be of service to its members. Such a request is merely a suggestion which, when brought to each member's attention, might save many a dollar.

Notes.

The greatest Easter Philadelphia has ever known.

It is said all the commission men sold out clean.

Violets were very scarce; doubles sold quickly; singles were not very good, as a rule.

Probably the best Beauties coming in are from Edwin Lonsdale's last new house. They are very fine and bring $6 a dozen.

The two largest Easter plant growers, Robert Craig and W. K. Harris, sold out clean, and could have sold many more lilies. J. W. Y.

CHICAGO.

The Easter Trade.

The leading retailers all report a very satisfactory Easter trade, in most cases considerably larger than that of last year. Nearly all noted a further increase in the call for plants.

Mr. E. Wienhoeber did a large business in both plants and cut flowers. He noted, though, that the call was mainly for the more moderate-priced plants and arrangements, and some of his most expensive baskets of plants failed to find customers. The plants and plant arrangements that had the call ranged from $1.50 to $5.00. Of course, many sales were made of more costly arrangements, but the great bulk of the sales were within the range of prices noted. He sold large quantities of pans of hyacinths and other bulbous flowers, dressed with crepe paper. He thought there was rather less call than heretofore for daffodils. He ran short of cut flowers last year and ordered an extra supply this time, with the result that he had some left on his hands, the oversupply being mainly of the higher-priced stock. Still, taking everything into consideration, he is well pleased with results.

Geo. Wittbold did a larger Easter trade than ever before at his North Clark street store, the sales of plants being especially large.

Charles A. Samuelson did a better business than last year, and noted a still further increase in the call for blooming plants. He also noted that the bulk of the sales of plants were of the more moderate-priced ones. He had an extra store and handled a large quantity of plants. Among especially effective arrangements noted in his store were short window boxes of dwarf grown lilies, half a dozen plants in a box, the box covered with green tinted crepe paper, and gracefully arranged baskets of Clothilde Soupert roses. Azaleas seemed to lead in expensive blooming plants. His window display attracted much attention. It was a gracefully arranged group of Adiantum Farleyense, the pots covered with green moss, and in the center a large cross of green galax leaves decorated with clusters of Cattleya Trianae. The store was a mass of blooming plants and arrangements of same in baskets and jardinieres.

In the window of W. J. Smyth appeared a huge cross of lilies among a mass of miscellaneous blooming plants, palms and ferns. His Easter trade was very considerably larger than that of last year, and he also noted a marked increase in the demand for blooming plants. Lilies led in demand, followed by azaleas, hy-



Mr. Geo. M. Stumpp, New York, among his Easter Plants.

brid roses, hyacinths, hydrangeas, and extra fine cinerarias. He thinks that hybrid roses in pots are a coming plant for Easter sales, as they seem to catch the popular fancy and sell at good prices. Tulips did not seem to sell with him, and he will not carry any another year. Hyacinths went well. His last year's experience made him cautious about preparing many expensive plant arrangements and his sales were almost entirely of those of moderate price, ranging generally from $3 to $5.

P. J. Hauswirth's Easter trade was fully equal to that of last year. He also noted an increasing call for plants, but the down-town stores find it difficult to provide the necessary space for handling. A new feature at his store is the utilization of what might be called an upper story show window. It wouldn't be noticed much from the sidewalk, but is sure to catch the eyes of passengers on the elevated road which passes in front.

H. F. Halle found Easter business fully as good, if not better, than last year. The supply was ample and no pickled stock was in evidence. Plant sales were large, lilies leading, as usual. The larger sizes seemed in best demand, such as sold at $1.50 each, and none sold at less than $1. Azaleas went well, especially the larger sizes. In hyacinths and tulips, the light colors sold best, and those in pans far outsold individual plants in pots. Daffodils did not sell well and he had a surplus. Call for palms was light, all seeming to desire plants in bloom. The addition of crepe paper materially helped the sale of plants.

A quantity of left-over spiraeas was noted at several places, and the opinion was unanimous that it was useless to attempt to make the spiraea an Easter plant. Buyers do not want it, and the growers had better save their effort and expense in growing it.

The unfavorable weather undoubtedly lost the retailers considerable transient trade, and had the weather been more favorable, sales would have been noticeably larger.

The Wholesalers.

All the wholesalers report an excellent Easter trade, from equal to last year to one-third larger. The supply was very good, under the circumstances, and everything salable seems to have been cleaned up except some lots of violets and adiantums. Some of the houses had quite large batches of these left over. The small demand for adiantums was a surprise, as was also an apparent falling off in the call for asparagus. Smilax went well.

Bassett & Washburn report the largest business in the history of the firm, as does also Kennicott Bros. Co., and demand has held up well since Easter. Reports were also obtained from E. H. Hunt, Vaughan, McKellar & Winterson, Reinberg Bros., W. E. Lynch, S. B. Winter, E. C. Amling, Rogers Park Floral Co., A. G. Prince & Co., and A. L. Randall, and one was a repetition of the other—good sales all around; wish Easter came oftener.

Various Items.

The McCormick greenhouses at Lake Forest have been torn down, and thus passes away an old landmark in the cut flower growing industry in the vicinity of Chicago. Fifteen years ago these greenhouses sent to the Chicago market about all the "fancy" roses the city could boast, "fancies" at that time including such varieties as Mermet, Perle and Niphetos. They were the first large three-quarter span forcing houses erected around Chicago, and the establishment was considered to be of enormous extent at the time, though the range of glass was a small one compared with many of today.

Mr. W. A. Kennedy, who rented the McCormick houses the last few years, has removed to Milwaukee, and has rented the Deuster greenhouses there.

Mr. John Cook, formerly with W. N. Rudd, at Mt. Greenwood, has rented the Saxon greenhouses at Downer's Grove.

The quarterly meeting of the Horticultural Society of Chicago was held last Saturday afternoon at the Sherman House, but there being no quorum, the meeting adjourned, subject to the call of the president. No use depending upon florists to attend a meeting on the day before Easter.

This Thursday evening (April 14) will be "Private Gardeners' Night" at the Florists' Club.

E. H. Hunt is improving, but is still unable to attend to business. O. W. Frese is also on the sick list.

W. Warnaar, representing Van Heemstra & Co., Sassenheim, Holland, was a recent visitor.

T. J. Corbrey has returned from California, and may resume business here.

ST. LOUIS.

The Easter Trade.

Easter trade in St. Louis was fully up to the expectations of all the florists and the weather was most favorable to the flower buyers. Flowers were not over-plentiful—that is, no glut. The commission men sold out clean and at top prices, claiming they could have sold more if stock could have been had. The bulk of the orders came in at the last moment and compelled the majority of the florists to work half the night, and some all night, in order to get them in shape for delivery early Sunday morning.

Harrisii plants were not plentiful, the supply being short of demand. Pots having from 3 to 4 blooms brought $1, and from 5 to 8 flowers, $2. Azaleas were in good demand, bringing from $1.50 to $3. Hydrangeas and callas sold well at from $1 to $2 each. The report is that this Easter more plants were sold than ever before.

Good, first-class roses were scarce and sold all the way from $8 to $10 per 100; seconds, $6 to $8. Carnations were in good supply and plenty of them to be had, only the white being a little scarce. The poorer grades

brought $2, while the best fancy sold at $6, the bulk selling at $4. Violets were very scarce and only a few Californias came in, and sold at $1 per 100. A few southern arrived from the south and were bought up at 35 cents.

Bulb stuff was very plentiful and, generally speaking, good in quality. Dutch hyacinths and tulips sold at $3 and $4; valley, very fine, $4; Von Sion, $3 and $4. Cut Harrisii reached the $15 mark Saturday morning and sold well; callas, $10 and $12.50, and plenty of them. Sweet peas went up to $2.50 per 100.

Everybody Satisfied.

The down-town as well as the West End florists are very enthusiastic over their Easter business, and it is safe to say that the bulk of trade done was far in advance of any previous Easter week. The majority of the florists had their windows handsomely decorated with hydrangeas, azaleas, palms, araucarias, Harrisii and calla plants.

Among the West End florists, Mr. Robert Ayers, of the Ayers Floral Co., reports business with them the best in years. Plants and cut flowers alike sold well, with lots of funeral work all the week.

At Weber's all hands were busy with plants, cut flowers and decorative work. Business was never better than this Easter.

Connon Floral Co. and Luther Armstrong did a tip-top business; had all they could do to supply the demand and realized good prices.

George Walbart and Mary Ostertag, the North Grand avenue florists, report business excellent and sold out clean. They both made a fine display in their large show windows with handsome plants and cut flowers; trade the best in years.

Robert Tesson, of Ellison & Tesson, reports business at their up and down-town stores great; trade better than ever at Easter time.

Ostertag Bros., Chas Schonelle, and Wm. Oughton, the Washington avenue florists, report business very satisfactory; could have done more had the supply been larger.

The down-town florists all did a great business. Riessen Floral Co. made a fine display at their two down-town stores. Mrs. Buechel reports that they were worked to death; best trade in years.

At Jordan's the display of Harrisii and palms was fine, and Mr. Kunz, the manager, reports trade in excess of last year.

Miss Badaracco, North Floral Co., and Krebs Floral Co. report that trade was fine and could not have been better in plants and cut flowers.

C. Young & Sons Co. were very busy, experiencing the best Easter in years. This firm had the finest lot of Harrisii plants in the city.

The South Side florists speak in the same terms. Fillmore, Schray and Beyer had good plant sales and almost sold out of Easter stock.

Gus Eggling and W. L. Hucke report a rushing Easter trade, with good prices, selling out early Sunday.

The North Side florists, near the cemeteries, Julius Koenig, Sr. and Jr., and H. Meinhardt, report that they were never busier than this Easter.

C. C. Sanders also had a fine trade in plants and cut flowers, averaging better than last year.

Notes.

Rudolph J. Mohr, late with Hess & Swoboda, Omaha, Neb., is now at the Missouri Botanical Garden. Mr. Mohr will remain in St. Louis and will make application for membership in the local florist club at its next meeting.

It is now a fixed fact that the chrysanthemum show this year will be held at the Coliseum, the directors having accepted our terms. The dates are fixed for November 14, 15, 16, 17 and 18. The committee is hard at work and the special prizes are coming in better than last year. This will make it the best and largest show St. Louis has ever had.

Joe Rolker, representing Aug. Rolker & Sons, New York, is in town looking better than ever.

At the bowling club Monday night the attendance was good and some good rolling was done. In the three games rolled Emil Schray was high man with 684; Carl Beyer second, with 576, and Kuehn third, with 559. High single score was by Schray, with 260, Beyer second, with 218; Kuehn third, with 202. Dr. Helwig and Fillmore both distinguished themselves by making 93 and 90 in one of the games.

J. J. B.

WASHINGTON.

Satisfactory Easter.

Easter day opened bright and warm, which cheered the boys who have worked so hard and have been under such a strain the past few weeks in preparing for this event. All seemed to have plenty and all shared alike the prosperity that followed. The week opened with a genuine snow storm, accompanied with high winds. The high winds continued until Friday, making it extremely difficult in shipping Harrisiis. The night temperatures on two occasions during the week fell to 22 degrees, and looked as if Easter day might be frosty, but fortune favored the florists this time and the day was perfect.

The trade in general was very good. High prices were not realized to any extent, few paying more than one dollar. The customers wanted roses for that price and asked for the best for that money. Large plants of azaleas, genistas and hydrangeas did not go very lively; like roses, they gave way to cheaper plants.

Expressions of Opinion.

The market people one and all had congested crowds about, without sufficient help to wait upon them. The accompanying interviews will tell the story:

Mr. Wm. Gude.—"The sale of plants was very much larger than at any preceding Easter. We had quantities and could sell cheap. Large flowering plants not in demand, though sold a few. Church work about as usual. We had about twenty clerks and found even this number inadequate to properly wait on the throngs who crowded the store. We did an immense business."

Mr. J. Louis Loose.—"My cut flower trade was excellent, realizing good prices. The demand was for fine plants, cheap ones not taking. All my ten and fifteen dollar plants are gone, while, as you see, my inferior ones are left. The demand for violets was enormous; I might say the same of carnations. I consider it my best Easter."

Mr. C. F. Hale.—"I don't think there were as many boxes of flowers sent out this Easter as on former years; their place seems to have been taken by plants. The demand was for plants ranging from one to two dollars, not exceeding that. Bulbous stuff seems on the decline. It does not take first place as it did formerly. Violets were inferior and I did not care risking sending them out."

Mr. Otto Bauer.—"As far as I am concerned I had a pretty good Easter. Could have sold double the quantity of violets. People did not want high priced roses; the demand was for cheaper stuff. Carnations were in great demand and the supply limited."

Mr. Blackstone.—"I had a large stock of violets and soon disposed of them. Trade good."

John Graver.—"Harrisiis went off like hot cakes. Carnations and violets sold well. Could not get good prices for roses; demand was for cheap flowers. Foliage plants not even called for. Tulips, jonquils, etc., good."

Robt. Bowdler.—"All the business I could handle, and supply equal to the demand."

N. Studer.—"Business the best we ever had."

C. Schellhorn.—"Sold out my roses early, realizing good prices. Plant trade immense."

Fred Kramer.—"Best Easter we ever had; shipping trade excellent. Sent flowers to Key West and even to Havana last week. Market trade good."

Phillips & Lewis.—"We had to hustle to wait on the crowds, and before night were completely cleaned out. Best Easter we ever had."

The demand for Easter lilies was good, and but few were unsold. Prices obtained averaged about twenty-five cents per flower and fifteen cents per flower, wholesale. There were several thousand more grown in this city this season than last, so that the supply was equal to the demand. W. H. K.

THE WASHINGTON MEETING.

Editor Florists' Review: I feel that I cannot allow to pass unchallenged the report of your Washington correspondent, in your issue of March 31,



Crotolaria Langenstrata.

as regards the entertainment of the executive committee of the S. A. F. in this city.

It appears that the florists of the District of Columbia who ignored the committee now feel slighted at not being invited to the meetings and entertainment. In all the trade papers appeared announcements that the executive committee would meet in Washington, March 15, and in those announcements suggestions were invited from any and all as to the work of the committee. It seems to me that it would have been only common courtesy for the florists who held aloof to have extended a hand of welcome to the members of the committee, and if they had a grievance, to state it to the committee, and not afterward state it in print.

As I personally made the arrangements for the entertainment of the committee, I am in a position to state that they were not made by "a certain government official." Being the brother of the president of the society, it seemed as though it would not be best for me to take the initiative, but after waiting till the Monday preceding the meeting, and finding no steps whatever had been taken, I felt forced to go ahead. My first step was to visit the leading members of the Commercial Florists' Club, including Mr. W. H. K., and ask their opinion in reference to entertaining the executive committee. They each informed me that they could not take any part, under the circumstances, nor could they be present at the banquet, giving various reasons.

I was thus obliged to go ahead without the assistance of these members of the craft, but I did secure the cooperation of Messrs. J. H. Small, Jr., Benj. Durfee, and Wm. Clark. No one was asked to contribute a single penny. Thus it will be seen that the statements of W. H. K. have no foundation in fact. That gentleman must have imagined some things and then taken them for facts. That "a government official steered the party" is untrue. That the florists were not wanted is not so. That there was any effort made to keep the florists in the dark is false. That they were approached on the eve of the banquet and asked to help defray the expenses is also not so. Stick to the truth and everything will be all right. ADOLPHUS GUDE.

Washington, D. C., April 6.

CROTOLARIA LANGENSTRATA.

As swainsonas are now popular attention should be drawn to Crotolaria langenstrata, seen in the illustration, generally known as the "yellow swainsona," little seen in our floral establishments. There are several species, but the one named is the best known in commercial circles. The color is a beautiful saffron yellow, slightly veined with deep red. The leaves resemble those of the clover, except that they are without veins. The habit resembles that of the swainsona, and it requires practically the same treatment. It is useful either as a pot plant or for cut flowers, and grows well planted out. It requires pinching twice before being allowed to flower, and does best in a temperature of 55 to 60 degrees.

Propagation is by either cuttings or seeds, the latter being produced quite freely, but like all perennials seedlings will not give flowers as soon as plants from cuttings. Of insect enemies red spider is the most to be guarded against. B.

BOSTON.

Review of the Market.

Easter week turned out all that could be desired as a successful business investment in the floral line, both for the wholesaler and the retailer. In the wholesale department the run upon roses, carnations and violets was immense, the latter in many instances were very poor, owing to the warm and sunny weather throughout March, but those that were anything like decent flowers were soon sold at good prices.

Carnations were never sufficiently plentiful to supply the demand. I heard one wholesale firm say on one day's sale that thirty thousand had been sent to them and early in the day they were crying a scarcity and in the evening could have disposed of forty thousand more, consequently the price was at all times in the week at the top notch.

Roses were also in great demand and scarce, although extra large shipments were made by some of the largest growers, but every evening closed with the cry of being sold out of most stock.

Lilies, both Harrisiis and longiflorums, were plentiful, but there seemed to be extra demand for church decoration and the many other useful purposes for which these decorative plants can be used at this season. A quantity sold showed the ravages of disease, to which this stock has been subject the last few years.

Notes.

The several proprietors of the leading retail stores vied with each other in making grand and attractive displays in their show windows, and the streets for many yards on each side of their stores were resplendent with floral beauty. The weather from about the middle of the week was all that could be desired, although the early part of the week made many look doubtful and glum, for Tuesday and Wednesday were very unfavorable days for distributing plants, grown under tropical temperature. However, the clearing weather brought a boom with it and successful results emanate on all sides.

Among the visitors to the Hub may be noted Mr. J. D. Thompson and James Hartshorne, of Joliet, Ill., looking for stock to fill a new range of ten large greenhouses over 200 feet long, now under course of erection at Chicago. C. H. J.

NEW YORK.

Among the Wholesalers.

Disappointment and disappointing was business from the standpoint of all the craft, and, as one remarked to me, Easter must now be relegated with New Year's, from a trade standpoint. The word "rush" did not enter into the market from the time the doors opened Monday morning till they closed Saturday night. It is all over now but the kicking, which will undoubtedly come from the grower, who has himself killed the goose with the golden eggs. As usual, there was a perfect famine in flowers Thursday and Friday, wholesalers running hither and thither to find stock, and none to be had, when good prices might have been realized, and then on Saturday all the flowers of Flowerdom dumped on the market, artificially high prices on the start, then a general slump and running to cover, with stock left on hand. Truly, the competition of flowers versus plants has been royal, but plants have come out a long way winner; it was essentially a plant Easter. The fact remains that while the retailer and plant grower prospered, the wholesale man and cut flower grower got left. There is a moral to all this; it is too apparent, however, to have to give any explanation; it is a bald and convincing fact.

Easter Prices.

While the following prices are the highest obtained for some stock, it must be understood that the average was much lower, and I must refer you to the New York market for same, as prices broke considerably after the day opened:

Beauties, of which there was an abnormal glut, the quantity being unprecedented, started at 75 cents for the finest long stemmed, but soon dropped to 50 cents and lower, with large quantities unsold. Maids there were in plenty; Brides, somewhat less, realized for select stock and extra graded $12 to $15 per 100, the general run being from $30 to $60 per 1,000. Meteors and all red roses dragged slowly, the Jack taking the place of the Meteor, being superior in color, size and perfume. The price was low, however, considering the stock, $4 per dozen for the top grade and as low as $10 per 100 for inferior.

There were a few Brunners sold for 60 cents, but the majority of good flowers realized but $6 per dozen; short stemmed, as low as $10 per 100. Very few Testouts came into the market, and $10 was the top price. Morgans and Cusins sold slowly at $6 per 100, while for Perles there was scarcely any demand.

Carnations, which came in larger quantities than expected, were pretty generally cleaned up, ordinary kinds, like Scott, Daybreak and McGowan reaching top price at $5 per 100, running down to $2.50 for inferior stock, while fancy varieties sold from $6 to $8 per 100.

Valley was a glut at the start, but cleaned up pretty good; $3 was gotten for some "extra select," while large quantities were sold for $2 per 100. Harrisii and longiflorums were in fair demand, with unexpected heavy shipments; they realized $6 to $10 per 100, with quite a lot of inferior quality left over from handling. There was no demand for bulb stuff outside of valley and Harrisii, and the bulk of tulips, narcissus and hyacinths is today laying in the ice boxes, unsold.

Purple lilac and mignonette went slowly and adiantum far exceeded the demand. Violets were erratic, a few fine ones selling for $1 per 100, but the bulk went for $3 to $7.50 per 1,000.

Later reports prove that there was a tremendous lot of stuff left over unsold by Monday morning and this most of the finest and most expensive flowers in the market, as American Beauties, etc.

Among the Retailers.

From the retailers' point of view, trade for Easter was very satisfactory. It was essentially a plant Easter of large proportions, with a lot of ribbon, crepe paper, and baskets thrown in. Many opened extra stores, branches and annexes, for the quantity of plants handled was prodigious, and stores were filled with them from cellar to ceiling.

Our illustrations will give a fair idea of the novelties handled and the way of dressing plants in this the Greater New York. The varieties of plants handled were much larger than in former years, and the Boronia elatior, a bushy plant, with aromatic foliage and pretty, deep pink flowers, somewhat resembling in shape lily of the valley, was very novel and attractive. Then there were heaths, epacris, gardenias, rhododendrons, genistas, azaleas, lilies and, last, but not least, the rose Crimson Rambler, an excellent decorative plant and a quick seller, besides lots of miscellaneous bulbous plants, etc., etc. I noted in one store also the variegated foliaged Lilium longiflorum eximium, rather odd, though apparently a very dwarf grower.

The florists pushed plants where and whenever they could, and this is why cut flowers suffered. They had bought their plants, and these had to be sold; if their customers demanded (this is a strong word, but it fits the case), why, they sent out their buyer or telephoned for stock. One of the largest florists in the city did not place any order for flowers at all; he just rested on his oars, so to speak, because there was stock in plenty, and he knew he could get it. He knew he had plants to sell—in fact, plants to burn.

Easter has come and gone, and it is a long wait to Christmas, and the retailer will have a chance to rest from his labors, although I presume there will be lots of weddings and society functions in the near future, unless, perhaps, war is declared next week.

Club Meeting.

At the regular meeting of the New York Florists' Club the smallest attendance was present since the new regime. This can be accounted for by Easter just passed and the members taking a well earned rest after their arduous labors and incidentally to count the shekels gathered in during the rush.

President Plumb was in the chair, and after the usual preliminary proceedings, nine members were unanimously elected and the following gentlemen nominated: W. C. Vanhorne, of the Vanhorne, Griffen Co., New York City; L. C. Bobbink, Rutherford, N. J.; G. Kettel, Seabright, N. J. The standing committee on exhibits made their report.

The Exhibit.

W. A. Manda, Orange, N. J., staged a new seedling, Begonia Rex, very distinct and without any zone, color dark green with silver blotches and markings; awarded a certificate of merit. Also Cobea scandens variegata and a hybrid foliage, Anthurium crystalinum by magnificum.

Mr. J. Carroll, Hemstead, L. I., showed a new violet, a cross between Marie Louise and Swanley White, of a very delicate lavender color.

Mr. J. N. May then introduced the lecturer of the evening, Mr. G. C. Watson, of Philadelphia, who gave a very interesting talk on "The Florist and the Flower Show," which appears elsewhere in this issue.

Mr. Watson brought out some excellent points and a general discussion, in which the advantages of Boston and Philadelphia as flower show cities were compared with New York.

An invitation from the New York



The Horticultural Buildings for Bronx Park, New York City.

Gardeners' Society to confer with regard to holding a fall show was referred to the exhibition committee.

THE HORTICULTURAL BUILDINGS FOR BRONX PARK.

We present herewith an engraving of the conservatories for the botanical garden at Bronx Park, New York City. They were designed by the Lord & Burnham Company, the well known horticultural architects, and will be erected under their direction by a local contractor, Mr. John R. Sheehan.

In all, there are thirteen houses, covering an area of forty-five thousand square feet. The central feature is a palm house one hundred feet in diameter and ninety feet high, from either side of which, running east and west, are two wings, each divided into two compartments, with other houses at the ends, as seen in the engraving. Running south from these are two other low houses that connect with two square ones with cut corners, and running east and west between these are two low houses with octagonal ends, thus making the houses enclose a large court, which is approached from the south. This court will be utilized for aquatic planting and other ornamental features.

The group of houses will stand upon a broad terrace and will occupy a commanding position. The architectural style is mainly the modernized Italian renaissance. When finished, this will be one of the finest ranges of glass in the country.

ROCHESTER, N. Y.

Review of Easter Trade.

Easter trade with the retailers was quite satisfactory on the average, but again there was a marked falling off this year in the public demand for cut flowers of every description, though the increased plant sales swelled the total receipts above the usual figures and our storemen do not complain, for they all were amply prepared to furnish any quantity of flowering plants and in greater variety than heretofore. Some good plants were left over, but most of these may be used to good advantage in the several large decorations which are in prospect during the week, so very little of this apparent surplus will go to waste. Azaleas were in evidence everywhere, some of them a little on the passee, but selling quite well after all. Specimens and half specimens did not move so readily as was anticipated. Plants worth from $1.50 to $2.50 were sure of finding a purchaser while anything larger than that or higher in price would only occasionally be called for, and it is mostly these sizes which were left behind. Roses in pots sold remarkably well and good prices were realized.

All the lilies were disposed of. This was the only article which could be called scarce, yet the supply was in reality as good and abundant as last year. Rhododendrons and kalmias sold only fairly well; quite a few of these are left in the houses. Lilacs were too plentiful. Hyacinths in pans, especially the larger sizes, were highly appreciated and other bulbous stuff found equal favor. Spiraeas and miscellaneous plants were quite plenty; a good many of them are on hand yet, while hydrangeas, though not at all scarce a few days ago, are now nearly all gone, excepting a few which are not fully developed.

In cut flowers the prices were kept a trifle above last year's figures, though the demand was not as brisk, only a few of our retailers had laid in as large a stock as usual for the occasion, but nearly every one had more on hand than was needed. Bulbous stuff, mignonette and violets were decidedly in excess. Roses and carnations sold fairly well, yet there was more on hand than could be used. People were inclined more than ever to expend their money purchasing a pretty plant of some kind rather than invest the same amount in cut flowers, which in a day or two have to be cast away, while a potted plant will continue in good shape for a week or even a month; they have learned that much from experience.

The weather was very pleasant and favorable for the delivery of goods, no extra wrapping to protect against frost was needed as in former years, saving much time and extra labor to our overworked storemen and their employes. K.

TRY AN ADV. in the Review if you have any surplus stock to sell to the trade.

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G. L. GRANT, EDITOR AND MANAGER.

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FREE FLOWERS AND PLANTS.

We note a tendency in some quarters to be sarcastic about the efforts of the Washington florists to stop the wholesale giving away of flowers and plants by the public greenhouses to parties with a political "pull." And we also note an attempt to cover up the iniquity by sweet sounding phrases to the effect that such use of the public property is really to the advantage of the florist in more widely disseminating a love for flowers.

The efforts of the Washington florists in the line indicated are to be warmly commended, and should be indorsed by every honest citizen. The keepers of public greenhouses have no more moral or legal right to give away their productions than the keeper of the mint has to give away the money coined.

And that the flowers and plants given away by public institutions are of any direct or indirect benefit to the trade is simply nonsense. It is the love of getting something for nothing that is disseminated, rather than a love for flowers. And the trade doesn't need any assistance from the government. Neither does it ask any government official or employe to commit a breach of trust in order to assist it.

The productions of the public greenhouses are for the benefit of the whole public, and not for those who happen to have political influence. And the growing in quantity of the usual commercial flowers in a public greenhouse is prima facie evidence of an intent of the official in charge to make an improper use of same, for in no way can the intent of the law be so contorted as to include the growing of cut flowers for the purpose of free distribution.

THE PRESSWORK on the last issue of The Review was accomplished with great difficulty, on account of the widespread strike of pressfeeders in Chicago. As a consequence, the quality was not up to our usual standard, and there was a delay in mailing part of the edition. The strike has now been adjusted.

ADIANTUM FARLEYENSE.

The well deserved title of "Queen of the Maidenhairs" has sometimes been applied to this lovely fern, and in truth it is one of the most beautiful of all ferns, and having been so extensively propagated of late years it has become so widely known that an extended description seems scarcely necessary in The Florists' Review.

It may be stated, however, for the benefit of the younger brethren, that A. Farleyense is a native of Barbados, and that botanists have decided it to be not a species, but a form of A. tenerum, the latter being a handsome, strong-growing species with much smaller pinnae than those of A. Farleyense.



Adiantum Farleyense.

There does not seem to be a very clear knowledge among the authorities as to the exact location from which this fern was originally brought, some stating that it was found at a place called Farley's Hill, and others that it has been named for the reputed discoverer, one Farley, and a decision will not be attempted by the writer, but the fact remains that whatever be its origin we have here one of the gems of the genus.

A. Farleyense is a warm house fern and enjoys moderate shade and plenty of moisture, and since its wants have been better understood has been grown very successfully by many cultivators. One of the chief essentials to its welfare is a strong soil, and some of the best plants I have seen have been grown in rather coarse turfy loam, with about one-third of dry cow manure, the latter being broken up into small pieces and thoroughly mixed into the soil.

When newly potted careful watering is needed to avoid souring the soil, but once established liberal supplies of water can be taken up. Careful ventilation is another step to success, for, though this fern requires plenty of fresh air, yet the young fronds are quite susceptible to cold draughts.

Division of the crowns is the method of propagation generally practiced, an old plant being shaken out and divided into almost as many pieces as there are fronds (owing to the multiplicity of the crowns) and these pieces being planted in light soil and properly cared for in a warm propagating frame will seldom fail to grow.

Seedlings of A. Farleyense have been reported at various times and places during the 30 odd years that it has been in cultivation, but it has never been the good fortune of the writer to see any, and while the indusiums are not infrequent on old plants, yet in but one instance have I found spores therein, and then failed in germinating them.

W. H. TAPLIN.

THRINAX PARVIFLORA.

The thrinax include some ten or twelve species of rather dwarf-growing palms, several of which have been in cultivation for many years, though but seldom seen among the stock of commercial places.

This fact, however, is not by any means owing to a lack of beauty or gracefulness in the genus in question, but rather to their comparatively slow growth as young plants, the commercial florist of the present day finding it necessary to place the most reliance on quick-growing crops, in order to utilize the space at his command to the very best advantage.

The species specially referred to in the present note, T. parviflora, and which we also illustrate in a moderate sized specimen, was introduced from Jamaica over one hundred years ago, but is still so little grown, in this country at least, that an order for one hundred plants of a given size would probably be declined by a majority of our leading palm growers.

T. parviflora is a slender growing plant, with much divided fan-shaped leaves, that ultimately attain a diameter of about two feet, and are supported on slender petioles that extend almost horizontally from the stem. The whole plant is unarmed, and the foliage is smooth and of good texture, bearing considerable exposure without injury. Some species of thrinax occasionally sucker from the base, but I have never seen T. parviflora develop that habit, its usual form as seen in commerce being that of a light-looking, single-stemmed plant.

The seeds of thrinax are rather small and roundish (about the size of a large pea), and germinate freely in a warm house, providing the seeds are fresh. The seedlings are slow in growth for the first two years, and are also susceptible to over-watering, but do not seem to gain much by being grown in a very high temperature, the latter condition furnishing better opportunities for the attacks of insects.

From the fact that this palm seldom grows more than ten to twelve feet high, it seems likely that in its native country it is overshadowed by larger species, and this gives us a hint in the matter of shading, a process that is beneficial to the plants in question, while in regard to temperature we find 60 to 65 degrees answers very well.

W. H. TAPLIN.



Thrinax Parviflora.

DREER'S NURSERY.

Riverton, the home for flowers, is too well known to give any detailed description of the extent and glories of the greenhouses and their contents. At the same time, a passing glance and a casual allusion to some of the most striking subjects and novelties to be seen at this model establishment would not be entirely out of order.

Mr. Always Busy Eisele is never too busy, however, to escort you through the labyrinth of glass and plants, and as you start off, Lieutenant Strohlein wishes you god-speed in case you should get lost in the forest of greenery and never return.

At the time of my visit, just before Easter, the packing shed was filled with orders, the demand for azaleas having necessitated an extra "shift" in this important branch. Palms there were by the acre, and azaleas, too, one solid bed of the latter measuring 250x 25 feet. The varieties grown for Easter were chiefly Empress of India, Vervaeneana, Bernhard Andreas Alba and Mme. Van der Cruyssen.

Always having had a reputation for ferns, it is only necessary it should be kept up, and many novelties are to be seen, the following the most striking:

Adiantum Clowesii, a variegated form of Adiantum Sanctae Catherinae and Adiantum lineatum, a variegated form of Adiantum Macrophyllum; both very unique. Adiantum Victoriae Eiselanum, a selected form of Adiantum Victoria, is sure to find favor as a jardiniere plant. Adiantum Versaillense, a crested and tasseled form, with pendant-drooping fronds. Adiantum Lambertianum, a dwarf of compact growing variety, like Adiantum gracillimum, and a possible hybrid between it, and Adiantum cuneatum, are also to be seen.

Pteris biaurita argentia, a dwarf form of Pteris argyraea and likely to prove very serviceable as a jardiniere plant. Pteris Wimsettii is a very distinct variety, like Pteris serrulata cristata, with the habit of Owardii, but more crested, and the pinnae more prominent on the fronds. Pteris serrulata voluta is a variety with a peculiar drooping habit, giving one the impression at first sight that it is wilted.

Polystichum coriaceum, a distinct and useful variety, either as specimen or jardiniere, was noted. Asplenium obtusilobum, a dwarf, compact variety, has a future before it, as it is of hardy constitution and very pretty.

Dracaena Godseffianum is particularly distinct, with its aucuba-like foliage. It is easy of propagation and will doubtless prove a useful commercial variety. Nicotiana collosea variegata will prove an acquisition to the bedding plant collection. The va-

riegation is very distinct and handsome, the leaves at maturity forming a striking contrast.

Of the newer varieties of Begonia Rex, Princess Charles of Denmark was the most striking, with its "zones" of soft pink and darker background. Sander's Masterpiece is an excellent dark variety.

"Down where the water lilies grow" are to be seen several novelties and Victoria Regias in their infant state. Mr. W. H. Neptune Tricker, who presides over the mermaids in this department, was building an elaborate rockery for the display of this interesting class of plants when your correspondent called, and volunteered the information that it takes "rocks" to build anything of that kind; as we agreed, there was no argument on this point.

We have had the chrysanthemum r(age), we have had the carnation r(age), but the dahlia will next command attention. Mr. Eisele informed me they had sold more dahlias thus far than for any previous four years, and the report seems to be pretty general.

I was sorry I did not meet Mr. W. F. Dreer, to congratulate him on the excellent appearance of his stock, and so I take pleasure in assuring him this way from an unbiased standpoint.

A. RECA.

BUFFALO.

The Easter Trade.

The first days of the week were cold and bleak, but bright, then Thursday, Friday, Saturday and Sunday seemed to vie with each other as to how beautiful they could be. Poor Thursday was not in it, Friday held a full house, Saturday was four aces and Sunday made them all lay down. Never in the recollection of the oldest florist (and we can remember the battle of Waterloo) has such perfect weather prevailed. It was not only comfortably warm, but better still, there was not enough air stirring to divert the industrious bee from his direct course while seeking nectar from the first opening blooms of spring.

It is slightly premature for me to say just what the business was, and what I would say would be decidedly prejudiced by my own experience, but the "dicky bird" says there never was an Easter like this. In another column will be found my impressions of what we ought in future to prepare for this day, which has now become "a great day." Jew and Gentile, patriot, patrician and plebeian, Presbyterian and Megatherian all seem alike to celebrate this day, and when it is accompanied with climatic conditions such as we have just experienced it is enough to make you embrace the man to whom you loaned ten dollars last week.

Cut flowers were simply not in the race. John Dunlop's roses were here and his Bridesmaids had three feet of stem, the flowers were seven inches long and weighed half a pound, but even this quality did not attract the public nearly so much as a pretty plant. Here is a sample order verbatim, and it fills the bill better than any abstract account I can give:

Sandringham Hall, Suffolk, England.
My Dear Mr. Scott:

Send two dozen of my best friends in America a nice plant each, not to exceed two dollars in cost, lilies preferred. Draw on me after the Darby.

ALBERT EDWARD, P. of W.

There was nothing like it, and he that didn't do well or feel well is a turned down page that will never be opened again, unlike Gray's immortal "Elegy," or Robbie's "Tam O'Shanter."

Violets were really the only flowers that were short in supply. One florist was several thousand oversold on violets and another that we know well had to substitute long-stemmed orchids in place of them.

A fuller report of the Easter trade will appear next week. I have only this to say now: That a pretty, inexpensive plant was in greatest demand this Easter.

W. S.



Carludovica Atrovirens.

CARLUDOVICA ATROVIRENS.

Though frequently considered among palms and grown with them, yet this handsome foliage plant is not a palm, being more nearly related to the pandanus family. The species illustrated has been in cultivation for many years, but does not appear to have become common in the trade on this side of the ocean, and as a matter of fact is seldom met with outside of private collections.

C. atrovirens is a stemless or nearly stemless plant of bushy habit, the leaves of which are bifid, plaited somewhat like those of a curculigo, and very dark green, as indicated by the specific name.

This plant grows freely in a warm house, and is not hard to please in the matter of compost, but makes more rapid growth in light, rich soil with good drainage, the latter point being the more necessary from the fact that an abundant supply of water is needed for its welfare.

Propagation may be effected by seeds when these are obtainable, but more often depends on division, as C. atrovirens produces suckers freely, and by

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

CATTLEYA LABIATA!

Fresh imported plants of this free growing and flowering variety, at $50.00 per case of 50 plants, or $90.00 per 100, every eight good bulbs to be counted one plant.

Just arrived in fine condition, ONCIDIUM VARICOSUM ROGERSII, $1.50 each; $100 per 100; 25 at 100 rate. Lælia purpurata, expected to arrive by next steamer from Santa Catharina. Cash or satisfactory references required from unknown parties.

ADOLPH A. SACHSE, ORCHID COLLECTOR **Newtown, L. I., N. Y.**

washing out the roots these suckers may be separated from the parent plant without difficulty, and soon become established plants.

The carludovicas are said to be natives only of tropical South America, where a number of handsome species have been found, one of which, C. palmata, possesses additional interest on account of its leaves furnishing the material for the so-called Panama hats, those luxuries of summer dress that are unfortunately beyond the purse of the average florist. But we may be permitted to grow a plant of Carludovica palmata, and by exercising the imagination we may see the patient South American native selecting one large young leaf, carefully removing the stiff veins or ribs from it, then slitting it into narrow strips and finally plating it into a shapely head cover without separating the strips at the stem end. Such ingenuity deserves a proper financial reward, but in all probability the larger portion of the profit is secured by the European or American hatter, who ultimately retails the product.

W. H. TAPLIN.

WHENEVER you need any trade supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

BUY YOUR supplies from the advertisers in The Florists' Review, and thereby increase the earnings of your certificate.

Always mention the Florists' Review when writing advertisers.

KLONDIKE Gold Fields at Your Door.

COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffelti and Golden Queen rooted cuttings, $3 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $1.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

Ageratum, dwarf blue, rooted cuttings, $5 per 1000. Fuchsias—standard sorts nothing but the best varieties, rooted cuttings, $12 per 1000; $1.50 per 100. Anthemis Coronaria, Golden Marguerite, $12 per 1000; $1.50 per 100. Salvia Splendens, $1 per 100. Vincas Variegated, $1.50 per 100; $12 per 1000; 2½-in. pots of the same, $2.50 per 100; $20 per 1000; 3-in. pots, $4 per 100. Heliotrope, six varieties, $1 per 100; $9 per 1000. Alternanthera, Paronychioides Major and Aurea Nana, 60c. per 100. Helianthus Multiflora, Double Golden, 2½-in. pots, $3 per 100.

GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

YOUNG ROSE STOCK

Brides, Bridesmaids and Perles, 2½ inch stock, to close them out at..... **$2.00 per 100**

ELLIS & POLLWORTH,

MILWAUKEE, WIS.

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WONDERFUL SUCCESS OF

CRAW'S FERTILIZED ...FLOWER POTS and Root Protector.

For Growing and Shipping Plants.

Made of Extra Heavy Manilla Waterproof Card Board, Fertilized, Wire Stitched Seams. Perfect Drainage and Shipped Flat.

Send at once for Samples. No charge. If you grow Tomatoes or Pot Plants you cannot afford to pass over this.

These square pots economize space, give more room to the roots than the tapering round pots. In setting out plants the pots are not removed. Simply unlock the bottom flaps (see cut), allowing the roots to grow unchecked.

To protect roots from worms, pull pot up one inch above surface (see cut).



DON'T PASS THIS BY

SHOWING POT PULLED UP

Size	Gross weight per 1000	Per 100	Per 1000
1½-inch	about 20 lbs.	$0.20	$1.90
2¼-inch	about 30 lbs.	.25	2.00
3-inch	about 40 lbs.	.40	3.00
3½-inch	about 50 lbs.	.55	5.00

Terms Net Cash with order.

Address all orders to

STUMPP & WALTER CO.

50 Barclay Street, NEW YORK.

ROSES!

Own Roots, Dormant, Field Grown

In Cold Storage in Chicago.

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

W. F. HEIKES, Manager,
1308 Unity Building, Chicago, Ill.

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FLORICULTURAL NOMENCLATURE.

The nomenclature committee of the Society of American Florists is desirous of laying before the society any cases of misnaming or double naming of plants handled by the American trade, which ought to be considered by the society. Any cases coming under the jurisdiction of this committee should be reported to the undersigned, not later than the 1st of July, with full indication of the circumstances and the parties involved.

WILLIAM TRELEASE,
Chairman.

Missouri Botanical Garden,
St. Louis, Mo., April 1, 1898.

SYCAMORE, ILL.—John Gustafsson has leased the Partridge greenhouses, but will not take possession till June 1.

WANT ADVERTISEMENTS.

SITUATION WANTED—By a thoroughly practical gardener and florist to take charge of private or commercial place where wages would be commensurate with results; responsible references. Address A. M., care of Florists' Review, 56 Pierce Bldg., N. Y. City.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By a first-class grower of roses, carnations, violets, etc.; 12 years' experience and can furnish best of references. Address Practical care Florists' Review.

SITUATION WANTED—By experienced gardener: single, 25; in private place; understands care of greenhouses, fruits, everything in general; best of references; California preferred. Address P. Hanson, box 251, Mamaroneck, N. Y.

SITUATION WANTED By practical, up to date florist and gardener; private or commercial place, eastern and western experience; first-class references from well known parties. Address A. M., care Florists' Review.

FOR SALE: 1 dwelling house, 2 greenhouses, 17 x 150 newly built; well located and good home trade, on st. car line and near a city of 300,000 population. For particulars address P. O., care Florists' Review.

SITUATION WANTED—By A1 grower of roses and other cut flowers and plants, as working foreman; has held similar positions in Chicago; best of referenccs. Address E. C., care Florists' Review.

SITUATION WANTED—By a first-class florist; single, German. 36 years of age, with 20 years' experience in growing roses, carnations and general stock; can furnish best of references. H. C., care of Florists' Review.

SITUATION WANTED—By florist and gardener; good grower of roses, carnations, mums and general stock. Only those in need of a good man and are willing to pay fair wages need apply. Address K. K., Florists' Review.

FOR SALE—Six greenhouses, about 14,000 feet of glass; well stocked; wholesale and retail town of 4,000; no competition; less than 100 miles from Chicago; two railroads; good seed trade. For particulars address A, care Florists' Review.

WANTED—Six or eight good men for potting and assisting in the greenhouses; fair wages and steady employment given. Do not write, but make immediate application at greenhouses in Hinsdale.
Bassett & Washburn, Hinsdale, Ill.

SITUATION WANTED—An experienced florist (of 20 years) and wife wish a situation to run a flower store or work in greenhouses as makers up of florists' designs. Best of references. Man a total abstainer.
Address Florist, P. O. Box 256, Tuscola, Illinois.

WANTED—Two good greenhouse assistants; please give experience, references, etc.; wages, $9.00 per week. Address J. A. Peterson, 105 E. 4th St., Cincinnati, Ohio.

WANTED—Gardener for private place near Chicago. Call at 552 Dearborn Ave., Chicago.

SITUATION WANTED—By thoroughly practical all round gardener. Capable of taking entire charge of a gentleman's private place. Exceptional references as to character and ability. Address Gardener, care of Florists' Review, 105 Hudson Street, New York City.

SITUATION WANTED—By a competent florist and gardener, 14 years' experience in growing cut flowers, tropical plants, cyclamen, etc. Also a first class designer and decorator. Capable of taking charge of place of any extent. Age 30, single. R. S., care Florists' Review.

SITUATION WANTED—By first class rose and cut-flower grower who understands the business in all its branches and is thoroughly capable of taking full charge of large plant. Am employed at present but have good reasons for wishing to make a change. Unquestionable references. Add. 320, care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

WANTED—A working foreman, must be an A 1 rose grower, American preferred, but must be able to furnish the best of references. No fakes need apply. The plant is backed by wealth, therefore, will have none but the best. A good salary will be paid to the man who can prove his ability. In writing, send copies of recommendations and address. Address L. T., The Florists' Review.

WANTED—At once, good florist for greenhouse work. $20.00 per month, with board. Advance in wages if satisfactory. Hillsdale Floral Park, Hillsdale, Mich.

WANTED—An industrious, energetic married man with no children. Man to work in rose and violet houses, wife as packer of cut flowers, etc. Wages, combined. $45.00 (forty-five dollars) per calendar month and two rooms free. None but those who have had experience need apply. Anchorage Rose Co., Anchorage, Ky. Chas. Rayner, Manager.

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You will get a better paper than has yet been published in this field, and a share of its earnings. Please let us hear from you by early mail.

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51 Wabash Ave., CHICAGO.

WHOLESALE GROWERS OF **Cut Flowers**

600,000 Feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. **We are Headquarters for Fine American Beauties.** Give us a trial and convince yourself.

Rooted Rose Cuttings

Plants and cuttings sent by express at plant rates (90 per cent less than merchandise rates).

	Per 100	Per 1000
AMERICAN BEAUTY	$2.50	$20.00
BRIDE	1.50	12.50
BRIDESMAID	1.50	12.50
PERLE	1.50	12.50
METEOR	1.50	12.50
BELLE SIEBRECHT	1.50	12.50

...ROSE PLANTS...

Out of 2½-inch Pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	3.00	25.00
Perle	3.00	25.00
Bride	2.50	22.50
Bridesmaid	2.50	22.50
La France	2.50	22.50
Kaiserin	2.50	22.50
Belle Siebrecht	2.50	22.50

...ROOTED CARNATION CUTTINGS...

	Per 100	Per 1000
JUBILEE	$2.00	$15.00
Wm. Scott	1.00	7.50
Nancy Hanks	1.00	7.50
Tidal Wave	1.00	7.50
Portia	1.00	7.50
Lizzie McGowan	1.00	7.50
Goldfinch	1.00	7.50
Mrs. Thompson	1.00	7.50
Daybreak	1.50	12.50
Emma Wocher	1.50	12.50
Meteor	1.50	12.50
Lizzie Gilbert	1.50	12.50
Harrison's White	1.50	12.50
Bridesmaid	1.50	12.50
Nivea	3.00	.....
Flora Hill	4.00	35.00

Smilax Plants, $2 per 100; $15 per 1000.

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88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

W. E. LYNCH,

...Wholesale Florist...

The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices

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A. L. RANDALL

Telephone 1496

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.

HOLTON & HUNKEL CO.

Wholesale Florists & Florists' Supplies.

Wire Designs Our own make.

Phone 874. P. O. Box 103.

457 Milwaukee St., Milwaukee, Wis.

WRITE for prices of Beauties, Meteors, Belle Siebrecht, Perles, Maids and Brides in 2-in. pots. Same varieties and La France and Vic. Kaiserin, in 3-in. pots. **Smilax**, extra, in 2-in. pots.

If samples are wanted send 50c. in stamps to

GEO. A. KUHL, Pekin, Ill.

WELL ROOTED CUTTINGS

$1.00 per 100; $7.50 per 1000.

Ageratum, dwarf blue; **Alternanthera Amœna,** Nana Aurea, P. Major; **Coleus,** 10 best bedding varieties (Golden Bedder, Gettysburg, Hero, Verschaffeltii, etc.); **Cuphea; Geranium Ivy; Heliotrope,** blue; **M. Verbenas.**

CASH WITH ORDER.

BAYWOOD FLORAL CO.,

Bryant Street, E. E. PITTSBURG, PA.

E. G. Hill & Co., Richmond, Ind.

FLORA HILL, $5 per 100, $40 per 1,000.

EVELINA, - - - $10 per 100

WHITE CLOUD, - $10 per 100

TWO GRAND WHITES OF 1898. TRY THEM.

PSYCHE—flaked white, $10 per 100.

PAINTED LADY—red, Two Fine Commercial Sorts.

Our trade list is issued; it you have not received it, send for a copy. New **Cannas,** new **Geraniums,** new **Roses;** all the new **Chrysanthemums** of the year.

E. G. HILL & CO.

E. G. AMLING,

Wholesale **Cut Flowers**

Consignments Solicited. Prompt Attention to Shipping Orders.

51 Wabash Ave., - CHICAGO.

A. G. Prince & Company

Telephone .....Main 3208

Agents for..... HINSDALE ROSE CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES

88 and 90 Wabash Ave., - Chicago

ROGERS PARK FLORAL CO.

Wholesale Growers of

CUT FLOWERS.

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, - CHICAGO.

H. Bayersdorfer & Co.

THE LARGEST SUPPLY HOUSE IN AMERICA

New Catalogue of all Florists' Supplies on application. For the trade only.

50 to 56 N. 4th Street, PHILADELPHIA, PA.

C. A. KUEHN

WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET

ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

WATER LILIES.

All Sorts.

Stock Reliable. List Free.

GEO. B. MOULDER,

Lily Park, SMITH'S GROVE, KY.

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"NEXT MEETING."

The fourteenth annual convention will be held at Omaha, Neb., August 16, 17, 18 and 19, 1898.

The Trans-Mississippi and International Exposition will be held in Omaha, June to October, 1898. F. W. TAYLOR, Supt. of Horticulture.

OMAHA, NEB.

Easter trade has been very brisk and the weather was all that even florists could wish. Lilies sold from $10 to $15, according to quality, all the best ones being disposed of by 4 o'clock Saturday afternoon. Azaleas, spiraeas, cinerarias, hyacinths, etc., sold at good prices. Roses brought from $1 to $1.50, carnations 50 to 60 cents per dozen. Bulbous stuff did not meet with so good a demand as in former years; it seems evident that the carnation has crowded them out. Flowers of all kinds were plentiful.

Some of the leading grocers handled lilies, much to detriment of the florists, as they were sold for 5 cents per flower, being satisfied to realize 25 per cent profit. Some of these grocers consider it a novel addition to their business, apparently not realizing that a florist could not exist on 25 per cent profit. J. J. H.

DETROIT, MICH.

The Easter rush is over again for a year and the florists all wear a smile a yard wide. There was a good supply of everything but Harrisii, carnations and violets. Roses were of good quality and in sufficient quantity.

Holtznagle cut some very fine Brunners. Breitmeyer & Sons had a few plants of Crimson Rambler rose which sold like hot cakes. Sullivan says he could have disposed of more azaleas of medium size and that bulbous stock was a drug, but is well satisfied with sales in general.

The Floral Co., Ferguson and Taepke all report sales larger than last year. Rackham was the only grower too late with his Harrisii, but expects them for Decoration Day. RAG.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

IT WILL BE to your advantage to mention The Florists' Review every time you write an advertiser.

YOU CAN BUY all your trade supplies to the very best advantage from advertisers in The Florists' Review, and at the same time advance the interests of your paper.

Always mention the Florists' Review when writing advertisers.

KENNICOTT BROS. CO.
WHOLESALE CUT FLOWERS
AND FLORISTS' SUPPLIES.
88 WABASH AVENUE, CHICAGO, ILL.
Carnations, Violets and Valley, Specialties.
Full Line of Wire Work.
LONG DISTANCE TELEPHONE EXPRESS 466.

Full Line of Wire Designs and Florists' Supplies...
Write for Illustrated Catalogue
S. B. WINTER
Successor to WINTER & GLOVER
21 Randolph St., ...CHICAGO
HIGH GRADE...
CUT FLOWERS
PROPERLY PACKED ...AND PROMPTLY FORWARDED

100,000 VERBENAS
THE CHOICEST VARIETIES IN CULTIVATION
Fine Pot Plants. $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000
No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.
We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.
SEND FOR CIRCULAR. J. L. DILLON, Bloomsburg, Pa.

TO CABBAGE GROWERS. THE BEST IN THE WORLD.
VAN NAMEN'S EXCELSIOR WHITE CABBAGE.
Late, large round, solid heads, weighing from 12 up to 25 lbs. EXCELLENT KEEPER. DOES NOT ROT.
Price, postage paid, per ounce 25c; ¼ lb. 75c; pound $2.00. Cash with order.
THE BOSTON MARKET GARDENERS SUPPLIED THEREWITH.
C. H. JOOSTEN, Importer, - 193 Greenwich St., New York.

Burpee's Seeds Grow

EVERGREENS...
Choice Specimens for Lawn Decoration.
Send for Descriptive Catalogue and Trade List.
SAMUEL C. MOON,
MORRISVILLE, - BUCKS CO., PA.

APRIL OFFER.

	Per 100
Alternantheras A. Nana $1.75 P. Major....	$2.00
Begonias 5 Var—Vernon.....	2.50
Coleus Asst. and Centaurea Gymnocarpa.	2.00
Geraniums, 16 Var., 2½ pots, $2.50; 3 in.	3.75
Geraniums, 4 in. pt. and Marguerites (P. Daisy).....	5.00
Pansy plants from cold frames and Smilax	1.00

Cash please.
JOS. H. CUNNINGHAM, Delaware, O.

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E. H. HUNT

WHOLESALE CUT FLOWERS

SUPPLIES, SEEDS, TOOLS AND BULBS.

Seasonable Flower Seeds.

BEST STRAINS ONLY. SEND FOR PRICE LIST.

76-78 Wabash Ave., CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking Effect April 14, 1898.

SUBJECT TO CHANGE WITHOUT NOTICE.

We are headquarters for CUT FLOWERS.

CARNATIONS.		
Ordinary, ordinary Stock	per 100,	$1.50—
Extra	"	2.00—3.00
ROSES.		
Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100,	3.00—
Maids	"	3.00—
Meteor	"	3.00—
Perles	"	3.00—
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—
Smilax	per doz.,	2.00—
Galax	per 100, 20c., per 1000,	1.50—
Leucothoe Sprays	per 100,	.75—
Smilax, (Wild):		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
MISCELLANEOUS.		
Marguerites	per 100,	.50—
Mignonette	per 100,	1.00—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans	per 100,	2.00—3.00
Valley	"	3.00—
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies, per 100		.50—

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves.
Station X. **Chicago.**

Only 3000 Geraniums Left.....

2½-in. pots, named varieties, $25 per 1000.
250 Field-grown Vinca Var., 4-in. pots, $10 per 100.
2000 Begonia Vernon, 2½ and 4-in. pots, $4 per 100.
Rooted Cuttings—Coleus, Ageratum, Salvia, at bottom prices.

GEO. W. GASKILL,
212 N. Tod Avenue, Warren, Ohio.

Peacock's Prize Winning Dahlias

36 First Prizes out of 39 entries in 1896 and 1897

Send for 1898 Illustrated Descriptive Wholesale Catalogue before placing orders elsewhere.

W. P. PEACOCK, ATCO, N. J.

30,000 DAHLIAS.

Before ordering your Dahlia Stock, be sure and send for my Catalogue.



The leading Dahlias of the world, $5.00 to $7.00 per 100 for large field grown roots.

Novelties and standards of the best quality and at the lowest prices. Stock guaranteed true to name.

W. W. WILMORE, Dahlia Specialist,
BOX 382, DENVER, COLO.

Carnations Chrysanthemums

New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
Address

H. WEBER & SONS, Oakland, Md.

GERANIUMS

That will please you and prices that will suit you.

S. A. Nutt, La Favorite, Heteranthe, $2.50 per 100; $20 per 1000; Beaute Poitevine, Mary Hill, $3 per 100; Mme. Bruant, Frances Perkins, $5 per 100. 10 varieties Coleus, 4 varieties Carnations, 2 varieties Ageratum. Prices upon application.

H. R. CARLTON, Willoughby, O.

SMALL GREEN Galax

For use with Violets. Stiff wiry Stems. Work up beautifully. Are all the rage

Box of 5000, $5.00
Less quantity at $1.25 per 1000

Address

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1150 Tremont Bldg., Boston, Mass.

NATHAN SMITH & SON,

WHOLESALE FLORISTS

SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

...ROSES...

3000 Beauties, 2½	5c
500 Meteors, 2½	3c
500 Meteors, 3	5c
1000 Golden Gate, 3	4c
1000 Maman Cochet, 3	5c
500 White Maman Cochet, 3	10c

J. LOUIS LOOSE, Washington, D. C.

Please mention the Florists' Review when writing advertisers.

NEW YORK MARKET.

Week Ending April 9, 1898.

Am. Beauty, fancy, extra, long stem, each	25c to 50c
Am. Beauty, extra, each	12c to 20c
Am. Beauty, culls and ordinary, per 100	2.00 to 10.00
Brides, 1st, per 100	4.00 to 6.00
Brides, 2d, per 100	2.00 to 3.00
Bridesmaids, 1st, per 100	4.00 to 6.00
Bridesmaids, 2d, per 100	2.00 to 3.00
Brunners, 1st, per 100	25.00 to 50.00
Brunners, 2nd, per 100	10.00 to 20.00
Meteors, 1st, per 100	4.00 to 6.00
Meteors, 2d, per 100	2.00 to 3.00
Jacks, 1st, per 100	10.00 to 12.00
Testouts, 1st, per 100	5.00 to 8.00
Testouts, 2d, per 100	3.00 to 4.00
Morgans, 1st, per 100	4.00 to 6.00
Morgans, 2d, per 100	2.00 to 3.00
Cusins, 1st, per 100	4.00 to 6.00
Cusins, 2d, per 100	2.00 to 3.00
Perles, per 100	2.00 to 4.00
Carnations, per 100	2.50 to 4.00
Carnations, fancy varieties, per 100	4.00 to 6.00
Valley, per 100	1.00 to 2.00
Roman Hyacinths, per 100	1.00 to 2.00
Harrisii, per 100	6.00 to 8.00
Violets, per 100	.30 to .75
Paper white Narcissus, per 100	2.00
Cattleyas, per 100	50.00
Cypripediums, per 100	10.00 to 12.50
Tulips, per 100	1.50 to 3.00
Von Sions, per 100	1.00 to 2.00
Smilax, per 100	12.00 to 20.00
Asparagus, per 100	50.00
Purple Lilac	50c to 75c per bunch
Mignonette, fancy	2.00 to 4.00
ordinary	10c to 15c per bunch
Sweet Peas, per 12 bunches	1.50 to 2.00
Adiantum	.50 to 1.00

For special prices on fancy and extra grade stock, see our New York letter.

CATALOGUES RECEIVED.

Seawanhaka Greenhouses, Oyster Bay, N. Y., plants, seeds, bulbs, implements; J. A. Simmers, Toronto, Ontario, seeds, bulbs, plants, implements, etc.; D. B. Long, Buffalo, N. Y., spring bulbs, seeds, etc.; Holland Bulb Co., Oegstgeest, near Haarlem, Holland, bulbs and tuberous rooted plants; Henry W. Gibbons, New York, tempering apparatus; Ellis & Pollworth, Milwaukee, Wis., plants for Easter; Collegeville Greenhouses, Collegeville, Pa., seeds, bulbs and plants; W. Atlee Burpee & Co., Philadelphia, plain truth about seeds; A. M. Herr, Lancaster, Pa., carnations; Amos Perry, Hardy Plant Farm, Winchmore Hill, London, England, plants and bulbs; Thompson's sons, Rio Vista, Va., strawberry plants; V. Lemoine & Fils, Nancy, France, new and standard plants; L. L. Woodford, Berwyn, N. Y., seeds, plants, bulbs, nursery stock; Geo. Hancock & Son, Grand Haven, Mich., rooted carnation cuttings.

MILWAUKEE, WIS. — The park commissioners contemplate the erection in Mitchell Park of a conservatory and greenhouses to cost $16,000 to $20,000.

ORION, MICH.—Edward Dungey and Otto Stoll, both of Detroit, have purchased land here upon which they will erect two greenhouses each 18x100 for growing cut flowers.

HAMBURG, N. Y.—Mr. C. F. Guenther, of Buffalo, has purchased five acres of land and will start in business here.

Vaughan, McKellar & Winterson,

WHOLESALE

FLORISTS SUPPLIES
FLORISTS SEEDS
SPRING BULBS

CUT FLOWERS.

All the leading varieties in Carnation Rooted Cuttings.

We are now having a fine lot of Cattleya Trianæ, now in stock, $6 per doz.

Best varieties of Young Roses in 2½-in. Pots.
Fine well cured Pearl Tuberose Bulbs, per 1000 ..... $ 7.50
Extra fine mixed Gladioli Bulbs, per 1000 ..... 12.50
Fine mixed Gladioli Bulbs, per 1000 ..... 7.50

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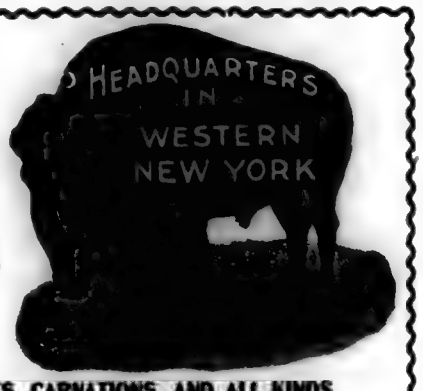
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Wholesale Florist
1612-14-16 Ludlow St.
PHILADELPHIA, PA.

CUT ORCHIDS OUR SPECIALTY.....

We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.

MacDONALD & McMANUS, WHOLESALE FLORISTS,
50 WEST 30TH STREET, NEW YORK.

GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK

WM. F. KASTING Wholesale Commission Florist...
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

MEET US AT THE OLD STAND
ALWAYS OPEN

Millang & Co.

Wholesale Commission Florists,
48 W. 29th Street, NEW YORK.
Between Broadway and Sixth Avenue

LITTLE BEAUTY--Fine Strong Fuchsia plants, 60c per dozen, **$5.00** a 100.
White and Yellow, $2.50 a 100.
LANTANAS. Trailing Lantana, the finest thing out for baskets and vases, **$3.00** a 100.
A. J. BALDWIN, Newark, Ohio.

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WHOLESALE CUT FLOWERS,
1432 S. Penn. Square, PHILADELPHIA, PA.
Original Headquarters for CARNATIONS.

EDWARD REID,
WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

GERANIUMS. Grand Bedders and new, $1.30 per 100, $10.00 per 1,000. **COLEUS**—C. Verschaffeltii and G. Bedder, 85c per 100, $3.00 per 1,000. **Superb** — fancy, 30 var. **Alternanthera**—P. M. and A. Nana, fine little plants. **Sage**—Grandiflora and Bonfire, 80c per 100, $5.00 per 1,000. **PANSIES**—Part in bloom, **Giants** $7.00, **Bugnots** $9.00 per 1,000 express, any quantity. Small plants 75c per 100 mail. **Aster** and **Verbena** Seedlings, 85c per 100
DANIEL K. HERR, LANCASTER, PA.

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ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

CUT STRINGS, 8 to 10 FEET LONG, 50 cts. Each

Shipped to any part of the Country.

DO YOU WANT TO SAVE 10%

Let us figure now on your list of Bulbs for Summer and Fall delivery.

Harrisii, Longiflorums, Roman Hyacinths, etc.

We offer special Latania Borbonica Seed, Per lb., 50c.; 5 lbs., $2.25, delivered.
Areca Lutescens, 100, 75c.; 1000, $6.00, delivered.

Address, H. H. BERGER & CO.

Established 1878. 220 Broadway, New York.

M. RICE & CO.

EXCLUSIVE IMPORTERS AND MANUFACTURERS .....OF Florists' Supplies

25 N. 4th St., PHILADELPHIA, PA.

Golden Bedder Coleus.

Now Ready.	Per 100	Per 1,000
Golden Bedder, fine cuttings	$1.00	$8.00
Verschaffeltii	.75	6.00
Fancies	.75	6.00

Cuttings, large and well rooted, free from mealy bug.

ROSCOE SAUNDERS, Aurora, Ill.

Mention Florists' Review when writing advertisers.

TREES! SHRUBS!

...CUT PRICES...

Alder, Imperial Cut Leaf, 2—3-in.	Birch, Cut Leaf, 8—10 ft.	Maple, Norway, 10 ft.
Ash, American, 10 ft.	Elm, English, 10 ft.	Maple, Norway, 6—7 ft, cheap.
Ash, European, 10 ft.	Elm, Camperdown, 2-yr. heads.	Maple, Sycamore, 8—10 ft.
Beech, European, 4—5 ft.	Linden, European, 10—12 ft.	Maple, Silver, 8—10 ft.
Beech, Rivers Purple, 5—6 ft.	Linden, White Leaf, 10 ft.	Mountain Ash, European, 8 ft.
Birch, White, 8—10 ft.	Linden, American, 10 ft.	Mountain Ash, Oak Leaf, 8 ft.
	Magnolia Acuminata, 6—8 ft.	
Japan Quince, 2—3 ft.	Strawberry Tree, 4—5 ft.	Wistaria, Chi. Purple.
Deutzia Gracilis, 2 ft.	Philadelphus.	Eulalia Zebrina.
Deutzia, Crenata, 3 ft.	Snowberry.	Dahlias, Paeonias.
Lilac, Assorted, 3 ft.	Forsythia.	Roses, including Ramblers.
Lilac, Japan Tree, 3—4 ft.	Hall's Japan Honeysuckle.	Clematis, 2 and 3 years.
Spireas, Assorted.	Ampelopsis Veitchii, 3-yr.	And a long list of other Shrubs.

Write us for Prices and get our Trade List.

W. & T. SMITH CO., GENEVA NURSERY, GENEVA, N. Y.

EXECUTOR'S SALE, At the HAYES' ESTATE, "Oakmont," LEXINGTON, Mass.

Specimen and Ornamental Plants, Azaleas, Rhododendrons, Agaves, Palms, Dendrobiums, Rubbers, Cœlogynes, Orange Trees, Bay Trees, Sago Palms, large collection Japanese Plants, Hydrangeas, English Holly, Vases, etc.

This collection is well known and all the plants on the estate will be sold Saturday, April 30, at 10 o'clock, a. m. They will be arranged and numbered on and after April 26. The Furniture, Paintings, etc., will be sold Friday, April 29. TERMS CASH. A deposit required from purchasers. Trains leave Union Station, Boston, at 8:17 and 9:17 a. m.

EDWARD HATCH, Auctioneer, 22 Devonshire St., BOSTON.

Jadoo Fibre Grows Prize-Winners

Grand New Violet "La France."

STRONG VIGOROUS GROWER.
EXTRA FREE FLOWERING.
RICHEST COLOR.

Of the many new Violets introduced in the past few years this, the latest introduction of the foremost French specialist, is unquestionably the **BEST.** It has been thoroughly tested by Mr. Supiot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom, and in size and coloring it is superior to all existing sorts, and will soon supercede them. Only a limited stock will be offered this season, and orders will be filled in strict rotation

Price, $1.25 per dozen; $10.00 per 100.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.



A GOOD ANTISEPTIC.

As a good many florists suffer more or less by lacerations from the thorns of roses, more specially during the holidays when the rush is on, a friend of mine who has been in the hospital from blood poisoning, the result of the above, says that the doctors told him in future to use this precaution:

Get a bottle of corrosive sublimate tablets, costing 25 cents, from any drug store. Dissolve one in one pint of water and bathe the hands for several minutes with same; this is an excellent antiseptic, but deadly poison for inward application, so care must be used in handling and leaving the tablets where they might prove dangerous. B.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The entire past week, beginning Wednesday last, has been one continual hustle—orders upon orders from all quarters. The business done, as predicted by us two weeks ago, far exceeded all previous years here for past six seasons.

Stock was mainly good. There was a noticeable absence of pickled stock, not that there was none at all, but the percentage was smaller than the most hopeful expected.

The main shortage as expected developed on carnations and Harrisii—both at times being far short of demand and going at high prices, Harrisii Saturday going to 18 cents with everything counted.

Close of business Sunday noon found wholesalers as a rule completely sold out and while in a rather collapsed condition physically, mentally in a happy frame.

The installation of the new board of aldermen Monday kept local business lively and even Tuesday was only a minor edition of a day of Easter sale. Beginning with to-day (Wednesday) business will quiet down in all probability and suffer as usual probably from the customary reaction.

Carnations are still short crop. Violets of good quality also are somewhat shy, all other stock in good, fair supply, in some lines even in overstock.

The outlook for a good spring business is hopeful and a more healthy tone has not prevailed at this period for years.

Always Mention the....
Florists' Review
When Writing Advertisers.

Kentia Palm Seeds.

Fresh seeds of Kentia Belmoreana and Forsteriana by the case of 5,000. Seeds received direct from Australia. Price, $17.50—net cash F. O. B. New York. Prices for large quantities on application.

AUSTRALIAN PALM SEED CO.,

Room 52. 90 Nassau Street, New York.

Rose Plants.

		Per 100	Per 1000		Per 100	Per 1000
Brides	2½-inch	$3.50	$30.00	3-inch	$4.50	$40.00
Bridesmaids.	"	3.50	30.00	"	4.50	40.00
Meteors	"	3.50	30.00	"	4.50	40.00
Perles	"	3.50	30.00	"	4.50	40.00

All Stock Guaranteed to be First-Class.
Ready April 1st.

M. A. HUNT FLORAL CO.,

GEO. E. HUNT, Manager, P. O. Box 235. **TERRE HAUTE, IND.**

BOSTON FERN,

Strong Plants, 6-inch pots .....$12.00 a dozen.
Also smaller sizes.

PANDANUS VEITCHII,

6-inch, $1.00; 7-inch, $1.50; 8-inch, $2.00 each.

JOHN WELSH YOUNG,
Germantown, Pa.

NEW AND SECOND-HAND MATERIAL

purchased from Sheriff, Receiver, and Assignee sales at less than one-half prices. Pipe and Fittings, Hose, Florists' Wire, Hot Water Heaters, Greenhouse Boilers and Engines, Rope, Light Wrought Iron Pipe, Glass Sash, and thousands of other articles, for sale by

CHICAGO HOUSE WRECKING CO.

Largest Mail Order Depot for New and Second-Hand Material in the World.

W. 35TH & IRON STS., CHICAGO.

Write for our free illustrated catalogues.

Rose Hill Nurseries

Largest Growers of Palms, Orchids, Stove and Greenhouse Plants, Ferns, Araucarias, Pandanus.

SIEBRECHT & SON,

New York Office, 409 Fifth Av. New Rochelle, N.Y.

You will miss it

If you do not stock up with that grand white **Flora Hill,** at $5 per 100; $40 per 1000. Portia, Scott and McGowan, $1 per 100; $8 per 1000. 100,000 ready. Send for list of novelties and other standard sorts.

WM. MURPHY, Sta. F, Cincinnati, O.

FOR SALE!

SIX SHARES OF STOCK
...IN THE...

American Florist Co.

This stock has sold freely at $100 a share in the past. To close out my interest I offer my remaining six shares at.....

$60 a Share.

Address G. L. GRANT,
520-535 Caxton Bldg., Chicago.

Field Grown Roses

	Per 100
K. A. Victoria, own roots, 2-yr	$10.00
Meteor, " " "	10.00
Meteor, one year from cold frame	6.00
Beauty, " " " "	8.00

ROOTED CUTTINGS.
Bride, Bridesmaid, } $1.50
Meteor and Perle, } per 100.

BROWN & CANFIELD, Springfield, Ill.

CALIFORIA VIOLETS,

Rooted Runners, 50c per 100.

CLEAN STOCK.

L. E. HITZ, Madison, Ind.

PALM SEED

A List of All Varieties upon Application.

J. L. SCHILLER, 404 E. 34, New York

NEW GARNATION, **"EMPRESS"**

The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

WM. SWAYNE,
Box 226. Kennett Square, Pa.

SUBSCRIBERS are reminded that they will materially advance the interests of their paper by buying supplies of the advertisers in the FLORISTS' REVIEW, always mentioning the name of the paper when sending inquiries or orders.

Carnations

New Carnations

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

New Chrysanthemums

MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
LAFAYETTE, IND.

Kathleen Pantlind,

From Soil..... $10.00 per 100

FLORA HILL, from soil	5.00 "
BEAUTIES, 2½-in. pots	6.00 "
CARNOTS, " "	4.00 "

HOPP & LEMKE, - - Paul P. O., E. Grand Rapids, Mich.

....PLANTS SURE TO GROW....

	Per 100
Sword Ferns, 2½-3-4-in. pots	$4.00—$5.00—$10.00
Cyperus Alt., 3-4-in. pots	3.00— 4.00
Dracæna Indivisa, 4-5-in. pots	10.00— 15.00
Vincas	6.00— 10.00
Fuchsias, assorted	2.00— 3.00
Heliotrope	2.50
Swainsona	3.00
Genistas, 2-3-in. pots	3.00— 5.00
Farfugium Grande	8.00
Pansies, in bud and bloom, $15 per m.	2.00
Carnations, from 2-in. pots	3.00— 4.00
Chrysanthemums, best varieties	3.00
Coleus, best kinds	2.50
Verbenas, best kinds	2.00
Geraniums, best kinds	3.00— 4.00
Monthly Roses, ass'td, 2-in. pots	2.50
Hybrid Roses, ass'td, 2-in. pots	3.50

Labels, Moss, Mailing and Express Boxes, Florists' and Nurserymen's Supplies. Send for our new lists

WILLIAMS & SONS CO., Batavia, Ill.

INSURE AGAINST FIRE
IN THE

Florists' Mutual Fire..... Insurance Association

Address W. J. VESEY, Sec'y,
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Firefly for Easter

Produced more good blooms than any other Carnation on our place. Bright scarlet and blooms continuously from early to late.

$10 per 100; $75 per 1000.

GEO. HANCOCK & SON, Grand Haven Mich.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS** and Dealers in

FLORISTS' & SUPPLIES

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

ST. PAUL, MINN.

The Easter Trade.

Easter trade was good. The weather was perfection itself, stock was good, prices moderate and customers plentiful; and what was more to the point, every one bought more freely and larger orders were given than for several years. In cut flowers, carnations for once were more in demand than roses, selling at the uniform price of 75 cents per dozen at retail, a few fancy going at $1. The supply was short of the demand and several thousand were shipped in from eastern points. Roses also were in good demand, retailing at $1.50 to $2.50 per dozen. One feature of the trade this year was the small demand for white roses, other varieties selling more readily.

The supply was about equal to the demand, though large shipments came in during the week; one Chicago firm sending here and to Minneapolis over 10,000 choice blooms. Beauties were in good demand with a good stock to select from, most of it coming from outside. Violets were in great demand with the supply somewhat short at the end of the week. The local growers all had good crops of violets and stock was of good quality considering the lateness of the season. Cut lilies were in excellent demand and more good flowers were disposed of in this manner than ever before. Bulbous flowers were plentiful and in good demand, the end of the week finding stock pretty well exhausted.

As a whole cut flower stocks were never better, even shipped in blooms being in elegant shape, consequently a smaller number of kicks than ever.

In the plant line lilies, as usual, were most in evidence and most in demand. Azaleas, as usual, sold well, Van Der Cruyssen being the favorite variety. In the plant line, as in cut flowers, people are disposed to prefer bright colors. Hydrangeas and cinerarias sold readily, while spiraeas went at sight. Hyacinths sold fairly well while other bulbous stock in pots and pans was a drug in the market.

Lilies retailed at 20 to 25 cents per bloom, azaleas $1.50 to $5 each, spireas 75 cents to $1, hyacinths 15 to 25 cents per pot. Some pans of lilies, 3 to 4 plants to a pan, were noted, but sold slowly. The best selling lilies were medium sized, 3 to 6 blooms each.

CHARLOTTE, N. C.—E. J. Bush recently added a fine rose house. The demand for roses increasing necessitated a home supply as far as possible. Mr. Bush is building up a snug business, and at the same time paying close attention to the pretty park under his charge.

IF YOU want to buy you will find it to your advantage to buy of the advertisers in The Review. If you want to sell, you will find it to your advantage to advertise in The Review.

NOW READY, 1898 TRADE LIST.

If you have not received it send your name and address.

NEW CARNATIONS FOR 1898: New York, White Cloud, Mrs. James Dean, Bon Ton, John Young, Gold Nugget.

A complete set, white, dark and light pink, scarlet and yellow. A lot of good commercial varieties. $8.00 per dozen; $10.00 per 100; $75.00 per 1000.

NEW CANNAS, Prest. McKinley and Defender, - - - - 60c. each; $5.00 doz.; $40.00 per 100.
NEW CHRYSANTHEMUMS, F. H. Spaulding, - - - - - - 35c. each; $3.50 doz.; $25.00 per 100.
GERANIUMS, A Fine Assortment Rooted Cuttings, - - - - - - $12.50 to $20.00 per 1000.
Two-inch pots $20.00 to $40.00 per 1000.

THE COTTAGE GARDENS, Queens, L. I.

New Commercial White Carnation **GENESEE**

A Carnation for everybody, because anybody can grow it. $10.00 per 100.

Detailed Priced Circular Free.

DAN'L B. LONG, Sales Agent, - BUFFALO.

FOR THE EASTER SEASON.

Azalea Indica, well set with buds, 40c, 60c, 75c, $1.00 each.
Larger Plants, prices accordingly.
All fine Plants.
Spiraea Japonica, 25c each.
Hydrangeas, well set with blooms, 75c, $1.00, $1.50 each.
Lilies (Harrisii), **Tulips, Hyacinths,** at low prices.

Exceedingly fine lot of PALMS.

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch $1.00 each. **Latania Borbonica**—4-inch, 20c, $16 per 100; 5-inch, 40c; 6-inch, 75c and $1.00; 7-inch, $1.75 each. **Phoenix**—5-inch. 40c; 6-inch, 75c each. **Kentia Belmoreana**—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each. **Kentia Forsteriana**—4-inch, 35c; 5-inch, 50c; 6-inch, $1.00 each. **Cocos Weddeliana**—3-inch, $20 per 100; 4-inch, $50 per 100. **Araucarias**—60c, $1.00, $2.00 and up.

Fine specimen plants of the above in larger sizes at low prices. Cash or satisfactory reference.
Special prices on Bedding Stuff.

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SEEDS, BULBS AND PLANTS
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Marie Louise Runners

25,000 at $4 per 1000; 60c. per 100.

WANTED 500 Maids, 600 Brides, 200 Perles, 200 Beauties, 200 Meteor, 200 Belle Siebrecht, 2½-inch pots.

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Mention Florists' Review. HILLSDALE, MICH.

DOUBLE DAISIES

in flower and bud, $1.25 per 100, $10.00 per 1000, Cash With order.

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Can profitably handle our Packages of Plant Food. Attractive, take little shelf room. Valuable booklet free. Good profits.

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OF THE FIRM
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BULB GROWERS,
LISSE-HEEMSTEDE, - HOLLAND,

is on his round-trip in America. To save time please address all letters up to May 15th,
Care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York.

Give us list of your wants and we will send you our best quotations. Our specialties are:

Double Von Sion, Hyacinths and Tulips.

NEW GIANT ESCHSCHOLTZIAS,
"The Golden West,"
50c pkt, $8 oz.

New Giant Fancy Cosmos, six splendid varieties, separate, $1 oz.; Giant Cosmos, splendid mixed, 65c oz.; Calliopsis "California Sunbeams," $1 oz. Special rates given on Cosmos in quantity. Apple Geranium, fresh, $1 per 1000 seeds; New Large Flowering Zonale Geranium, $2.50 oz.; Ipomæa, "Heavenly Blue," $1 oz., $12 lb.; Laurustinus grandiflora, $1 oz.; Zinnias, "New Curled and Crested," 50c oz., $5 lb.; Nasturtium Good Venture Mixture, 60c lb., 15 lbs. $8; Seaforthia elegans (Palm), 40c per 100 seeds, $3 per 1000 seeds. Send for trade list of Seeds, Plants, Bulbs and Cacti.

MRS. THEODOSIA B. SHEPHERD,
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Odontoglossum Crispum, Miltonia Roezlii and Cattleya Chocoensis

Lager & Hurrell, Growers and Importers.... **Summit, N. J.**

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

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50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums,** from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.

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GET THE BEST

Our Prices are Low, considering the fine Quality of Stock supplied.
Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$2.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
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Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00
Cannas—Fine assortment of leading varieties. Prices on application.		
Coleus—Just the kind of cuttings you would root for your own use—not small tips that require the use of a magnifying glass t discover them.		
Coleus, Golden Bedder, Verschaffelti, etc.	1.00	7.50
Plants of the above variety, from 2½-inch pots	2.00	15.00
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
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Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
" rooted cuttings, blue	1.50	12.50
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
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Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
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The Holland Bulb Co.,

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Is now in the United States on his annual trip. Please address correspondence to him, care of KNAUTH, NACHOD & KUHNE, corner William and Beaver Streets, New York City. Those wishing lowest quotations on Bulbs can have same from me, together with best references as to the quality of our goods. Yours truly, **P. VOS.**

DUTCH BULBS! For Next Fall Importation. Ask for Copy of Catalogue.
L. C. Bobbink, Rutherford, N. J.

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WHOLESALE BULB GROWERS,

SASSENHEIM, HOLLAND.

We can meet all competition on prices and quality.

WRITE FOR WHOLESALE PRICES.

Address until May 15th

KNAUTH, NACHOD & KUHNE,

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Ampelopsis Veitchii

10,000 Field Grown Plants, Heavy Roots 5, 6 and 7 cents each.

CAL. PRIVET, Nice Plants, $1.50 per 100 and up.

Send for Surplus List.

The Elizabeth Nursery Co., Elizabeth, N. J.

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DWARF PAPAYAS.

MOST magnificent Bedding and Decorative Plant over introduced; equal to a Palm in beauty; grows with the rapidity of the **Ricinus;** not affected by drouth. Plants from 4-inch pots, set out 1st June, attained a height of ten feet, and though not watered once, remained fresh and vigorous during the extreme drouth. Send for half-tone illustration showing bed of these plants. Every Florist should have it. Price to the trade $2.25 per doz. for 3-inch pots; all propagated from a tree which has produced this Fall and Winter 192 pounds of its delicious fruit, the largest weighing 12½ pounds.

TARO PLANT.—The genuine Sandwich Islands Taro, entirely distinct from the common Caladium, and a much grander plant in all respects. $1.00 each. Ready May 1st. **Send for Catalogue.**

MARTIN BENSON, Dongola, Ill.

CLEMATIS—Fine assortment 2-year old plants, home grown, $3.00 per dozen.

CARNATIONS—Victor, plants from pots, $4.00 per 100. Rooted Cuttings, $3.00 per 100.

VIOLETS—Princess of Wales, well established plants, 2½-inch pots, $3.00 per 100.

G. EISELE,

11th and Jefferson Sts. PHILADELPHIA, PA.

CLEVELAND.

Resume of Easter Trade.

Although at this writing it is still too early to get any very definite and detailed information as to the business done at Easter, there can be no doubt, from the general statements made, that on the whole it has been very good. Cut flowers sold well and plant sales cut fully as great a figure as at any former Easter time.

Reports so far as received conflict somewhat in the details, some being under the impression that this outsold that, while some one else claims the reverse to be true. Only a little more time to allow the smoke of conflict to clear away can justify more than general statements.

Carnations sold well and were short in supply with many. Two or three report enough to fill all orders. Lilies, both cut and as pot plants, were in good demand. Azaleas sold well, although so far as reported there seems to have been a sufficient supply in all sizes.

On the markets there were numerous quantities of good stock offered and trade there appears to have been satisfactory, a condition which favorable weather undoubtedly had much to do with. There was no frost and no wind to destroy stock, and while the day was cloudy, only a very little rain fell for a short time in the afternoon and then just enough to lay all the dust. It is very possible on the whole that there may be no great increase over the best previous year in most instances, but the probability is that total sales have not often been exceeded heretofore. NEMO.

PITTSBURG.

Easter trade surpassed all expectations. The prospects Saturday morning were not encouraging, a drizzly rain set in and continued at intervals all day. In spite of the inclemency of the weather, business keeps up very brisk. The amount of business done will exceed that of last year by a good percentage.

The usual Easter display, which was opened Easter Sunday at the Phipps Conservatory at Schenley Park, is the finest Pittsburg has ever seen. It is estimated that fifty thousand people viewed the exhibit last Sunday.

The flower exhibit at the Allegheny Conservatories far surpasses the Easter openings of former years and the handsome collection was much admired by many thousands. T. P. L.

HARTFORD, CONN. — One of the greenhouses of Alfred Whiting was partially destroyed by fire April 3. The loss is estimated at $1,500.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

WE HAVE PLEASURE IN OFFERING TO THE TRADE THIS SEASON FOR THE FIRST TIME ONE OF

The Finest Novelties in Chrysanthemums

—EVER SENT OUT—

...MRS. O. P. BASSETT...

It will only be necessary for us to state that **This is a Yellow Mrs. Henry Robinson** to ensure for it a large sale. It is a sport from Mrs. Henry Robinson, with which variety it is identical in every respect except color, being a delicate primrose yellow, deepening toward the center of the flower. It has been thoroughly tested, and is a novelty of sterling merit. One of the most eminent eastern growers who has tested it states that it is one of the best things in Chrysanthemums sent out in some time. Every Chrysanthemum grower will want it. **A Yellow Mrs. Henry Robinson** will be a money-maker, and a fine exhibition variety as well. Plants now ready for delivery. We have also fine stocks of the other finer introductions of the year—**FRANK HARDY, MRS. H. WEEKS, AUSTRALIAN GOLD.**

Price, $3.00 per dozen; $20.00 per 100.

Wm. H. Chadwick, $6 per doz. The Yellow Fellow, $3 per doz. Pennsylvania, Autumn Glory, Solar Queen, Black Hawk, Quito, Thornden, $5 per doz.; $35 per 100. Boundless Snow, Mrs. C. H. Peirce, Miss Gladys Vanderbilt, $3.50 per doz.; $25 per 100.

We offer also all the best of the **Novelties for 1897,** and the **Best Standard Sorts.** Send for our wholesale list and large descriptive catalogue, giving full list of varieties and prices. We have a very large and fine lot of Novelties in Cannas for 1898, also best and latest introductions in Carnations, Dahlias, Strong Field-grown Roses and other Hardy Plants, a large and fine collection of Palms and other Decorative Plants, etc., etc.

We will be pleased to send our wholesale list and descriptive catalogue to any one who may not have received them.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

BRAZILIAN TONIC PLANT FOOD.

A GENUINE GUANO. SOMETHING NEW AND WELL TESTED.

PLANT BRAND. A natural fertilizer for Palms, Tropical and Pot Plants; it intensifies color, possesses healthful and invigorating qualities, and is harmless and odorless.

FLOWER BRAND. For Carnations, Roses, Violets and all bench and flowering plants. A trial will convince you a long felt want is at last supplied.

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DEAR SIR:—In reply to your favor of recent date in regard to "Tonic Plant Food," would say that we are well pleased with the results of the sample sent us, and think it is all you claim.

Yours respectfully, [Signed] JAMES HORAN & SON.

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TREE PAEONIA in only Choice Varieties; strong, 4-year-old plants, 50c. each....

Tree Roses, Snowballs, Hydrangeas, Clematis, Paeonia, Rhododendrons, Azaleas, Magnolias, H. P. and Moss Roses.

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5,000 Extra fine three-year-old... **Clematis** In the best Leading Varieties:::

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Lily of the Valley and all Spring Bulbs on hand now.

Write for Prices to..... **F. W. O. SCHMITZ, Jersey City, N. J.**

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THEY ARE GRAND.

Fine stocky plants, in bud and bloom, $10 and $12.50 per 1000; $1.50 per 100, by express. Small plants by mail, 75c per 100. Seed, $1 pkg. Cash with order. Lock Box 254.

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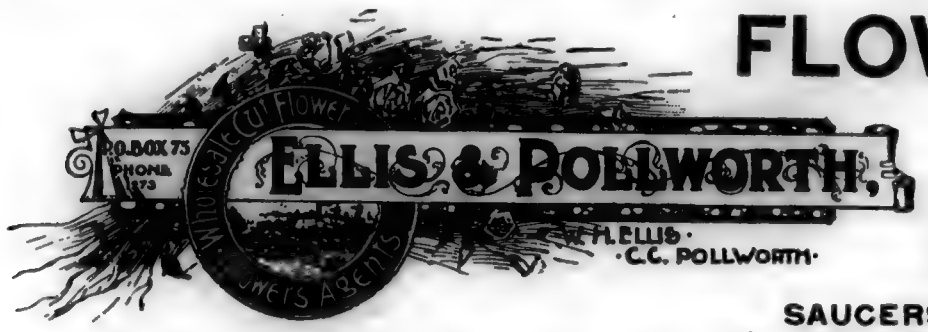
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STANDARD POTS

Height and width inside.

	Per 1000		Per 1000		Per 100
2 Inch	$3.50	4 Inch	$ 7.50	9 Inch	$ 7.00
2½ "	4.00	5 "	12.00	10 "	8.75
2½ " 3 in rose	4.50	6 "	19.50	12 "	18.00
3 "	5.00	7 "	43.00	15 "	40.00
3½ "	6.00	8 "	60.00	17 "	60.00

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Plain or Fancy Saucers.

4 Inch Saucers, per 100	$0.50	9 Inch Saucers, per 100	$2.50
5 " " "	.75	10 " " "	3.00
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7 " " "	1.25	15 " " "	1.50
8 " " "	2.00	17 " " "	2.00

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6 Inch Fern Dishes, per 100	$3.00
7 " " " "	3.60
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10 " " " "	6.00
12 " " " "	8.00

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Experiences .....WITH Carnations

READY NOW.
Send for them—they are sent free.

HERR'S SMILAX
$5.00 per 1000; 75 cents per 100.
Samples, Ten Cents.

ALBERT M. HERR
LANCASTER, PA.

..Areca Lutescens..

LARGE HEALTHY STOCK

3 Plants,	6-inch Pot,	24 to 32 inches high, very bushy, each	$1.00
3 "	7-inch "	32 to 36 " " " " "	1.50
3 "	8-inch "	36 to 38 " " " " "	2.00
3 "	8-inch "	42 to 48 " " " " "	2.50
1 "	10-inch "	4 to 5 feet " " " "	5.00

All Measurements from Top of Pot.

JOSEPH HEACOCK, Wyncote, Philadelphia, Pa.

To Make Room

Aster Plants, 60c. per 100; $5 per 1000.
Pansies, small transplanted plants, 60c. per 100; $3 per 1000.
Alternanthera, Aurea Nana and P. Major, 2¼-in. pots, $1.50 per 100.
Feverfew, Little Gem, 2¼-in. pots, $1.50 per 100.
Salvia Clara Bedman, 2¼-in. pots, $1.50 per 100.
Lycopodium Denticulatum, 2¼-in. pots, $1.50 per 100.

Strong R. C. Carnations, 20 varieties.
SEND FOR PRICE LIST

Above stock is unusually strong and grown cool.

THE MORRIS FLORAL CO.
MORRIS, ILL.

Princess of Wales Violet.....

The Best Money-Maker Among Violets.
Strong 2½-inch pot grown plants, $5.00 per 100.

J. A. PETERSON, 105 E. 4th St., Cincinnati, O.



PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

Armstrong's Everblooming Tuberose------

A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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Address Luther Armstrong,
3720 Olive Street, ST. LOUIS, MO.

100,000 ROSES . . .



FREE to ALL.

Our Illustrated Catalogue of ROSES, PLANTS, SEEDS BULBS and ROOTS, GRAPE VINES, SHRUBS, ETC., will be mailed FREE to all applicants. It will pay to examine it. 60 greenhouses. Good-guaranteed to be first-quality. Established 1850.

NANZ & NEUNER, Florists
Louisville, Ky.

Send Your List to be Priced.

..GERANIUMS..

In 4-in. Paper Pots in bloom, Pink, Red and White Best Bedders. Thousands Ready.
Write—

GEO. A. KUHL, Pekin, Ill.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application,

JACOB W. MANNING,
The Leading New England Nurseryman.
ESTABLISHED 1854.
READING, MASS.

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LOUISVILLE, KY.

Ky. Society of Florists.

The Kentucky Society of Florists held their regular monthly meeting at the store of Mr. Fred Haupt, at which it was decided to hold a fall show next November. Messrs. Jacob Schulz, W. Mann and Jos. Coenen were appointed a committee to prepare rules and premium list. A meeting will be held April 14 at the establishment of Jos. Coenen & Co. to adopt rules and premium list. After the meeting, refreshments will be served.

Notes.

Heavy frost and snow on the 5th and 6th inst. killed all of the peaches and most of the plums and pears. Business is inclined to be dull, but with an upward tendency with the approach of Easter. Lilies and carnations are very scarce.

The writer recently paid a visit to the establishment of G. Thompson & Sons. This firm has been in business since 1872, and have at present twenty houses stocked with a large variety of plants, which were in fine condition. One house of cinerarias in 6-inch pots was grand—immense blooms, and in such variety of colors! The business is at present looked after by George Thompson, Jr., Mr. Thompson, Sr., having retired after a well-earned rest. His brother John was appointed Superintendent of Parks last fall, and is out of the business at present. They contemplate rebuilding several of the houses on a more modern plan this summer. KY.

SPRINGFIELD, MASS.—The Easter trade was very satisfactory all around, and several florists report the best trade in their business experience. A novelty was Crimson Rambler roses in 8-inch pots, two to three feet high, and loaded with bloom. Carnations were off crop and in consequence were scarce and high priced.

TERRE HAUTE, IND.—Easter trade was about 25 per cent. larger than last year, the sales of plants being especially large. Not so many large orders as formerly, but large number of small ones.

ELGIN, ILL.—E. H. Ricker has obtained an injunction against the Ricker National Nursery Co. restraining it from making any moves whatever. W. H. McGregor has been appointed receiver of the nurseries. A suit for the dissolution of the partnership has also been begun.

SPRINGFIELD, ILL.—The governor has named April 22 as Arbor day for Illinois this year.

NATIONAL FLORISTS' BOARD OF TRADE
CORNELIUS S. LODER, Secretary.
Collections, Credits, Etc.
271 Broadway, - - NEW YORK



Facts more eloquent than words,
C. S. A. awards highest of the year.
New York 95 points.
Boston 94 points.
Chicago 93 points.
Philadelphia 89 points.
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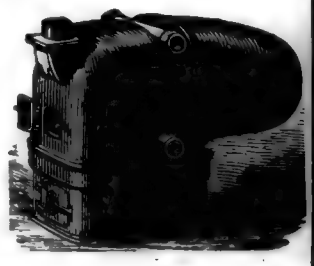
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THE LILY DISEASE.

The press of Bermuda is endeavoring to awaken the lily growers there to the fact that the bulb-growing industry of Bermuda is threatened with extinction, and the board of agriculture of the islands has published suggestions to growers that, if followed, will do much to mitigate the disease. The Bermuda Colonist of March 12 prints a long editorial on the subject and makes its warning very emphatic. It quotes from a recent issue of The Review a report of the aggravating conditions American growers of bulbs have had to meet, and sets forth in most convincing terms the fact that such conditions will cut seriously the sale of bulbs.

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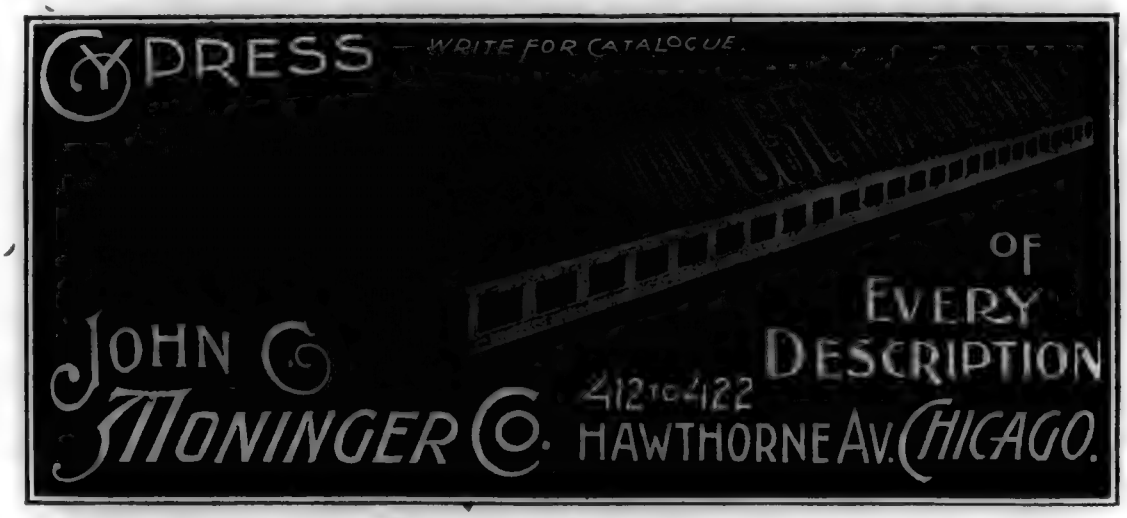
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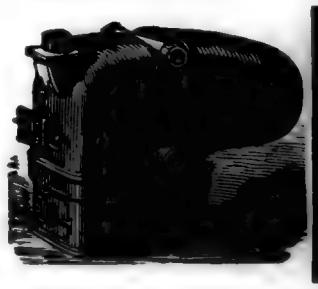
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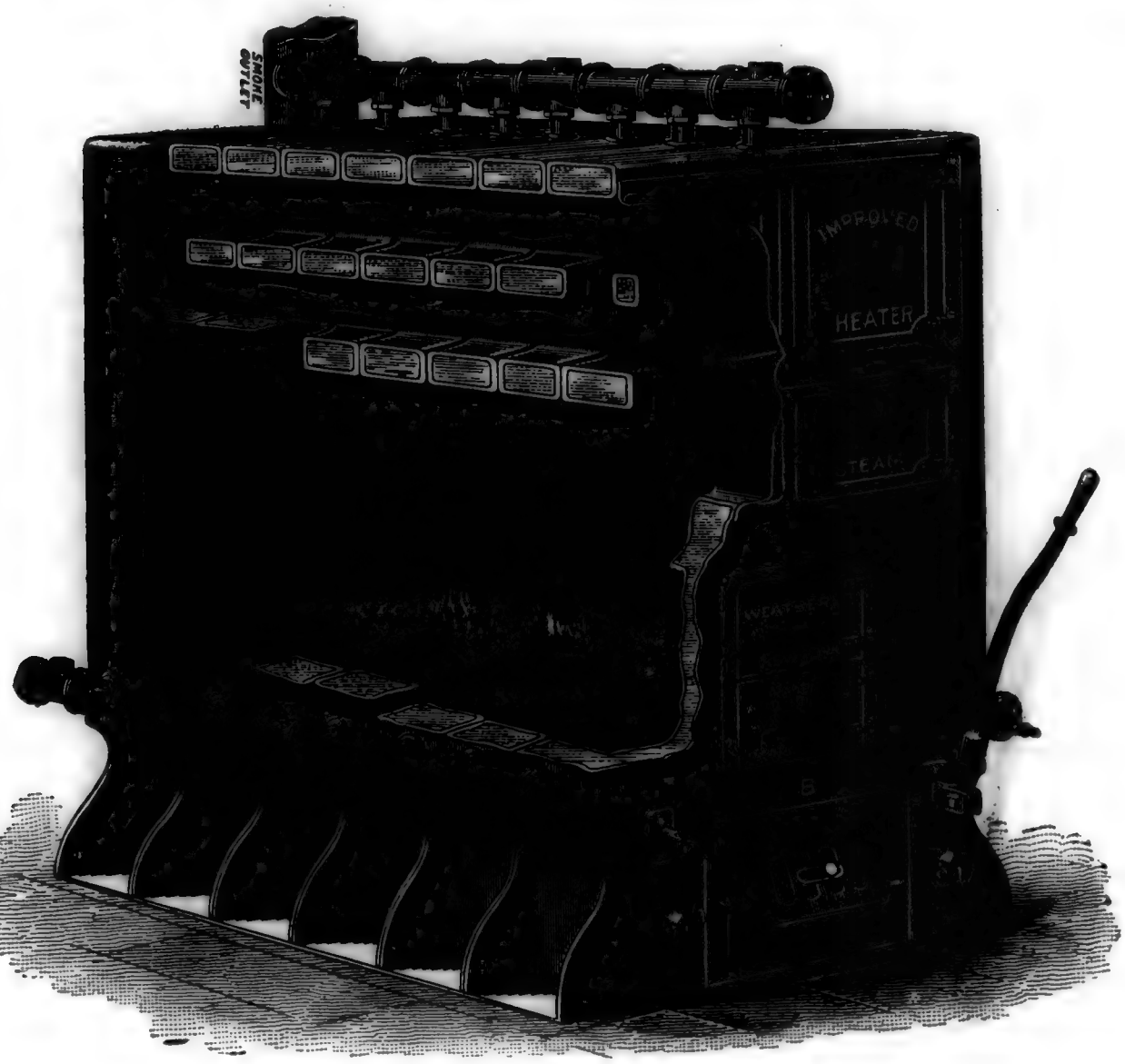


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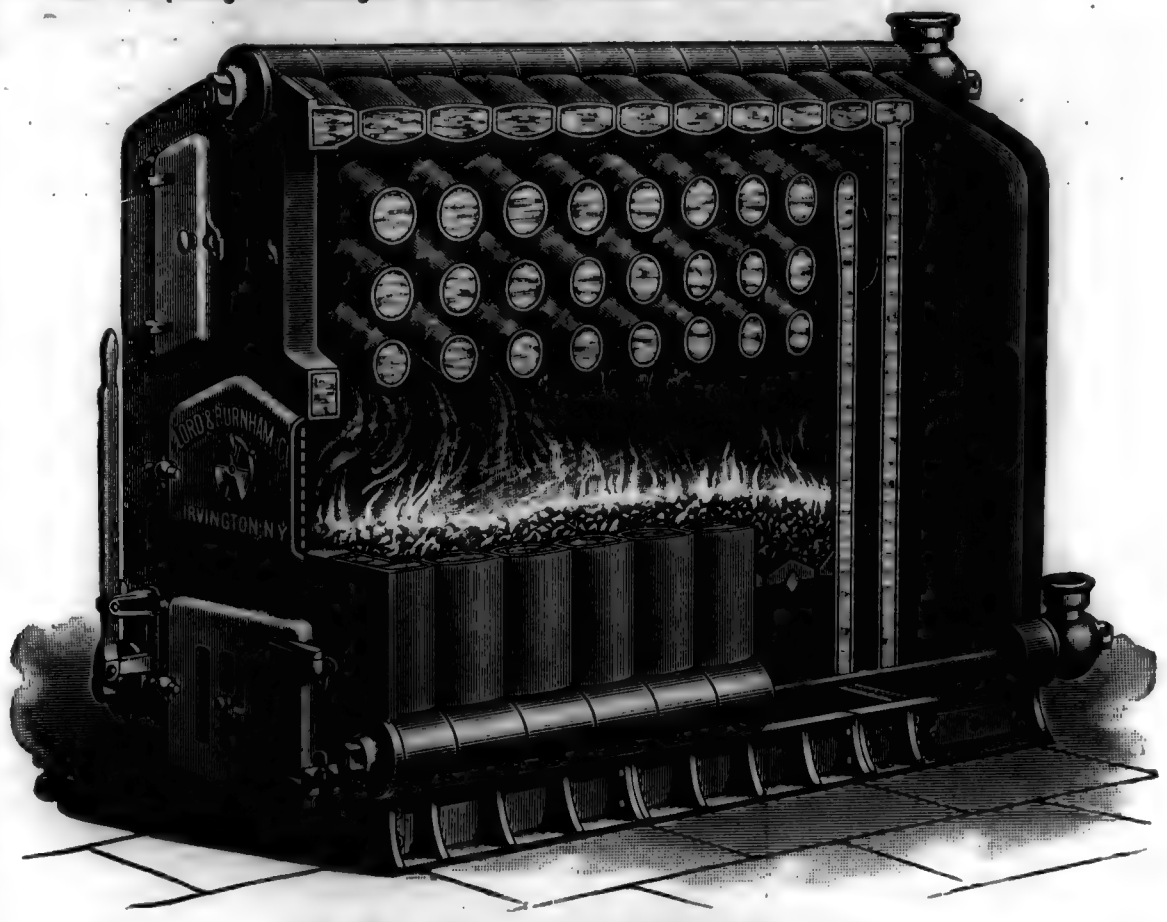
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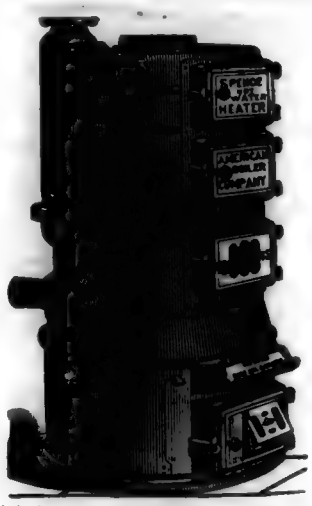


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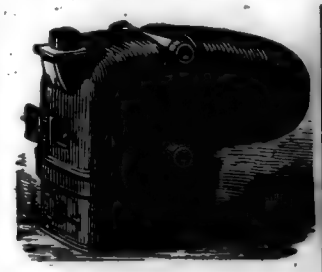
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Vol. 1. CHICAGO AND NEW YORK, APRIL 21, 1898. No. 21.

HEUCHERA SANGUINEA AND ITS VARIOUS USES.

This is one of our most useful hardy perennials in the whole list. It is a constant and profuse bloomer from spring until fall, is equally well suited for the borders or the front of shrubbery, and will make a delightful show when planted in a bed by itself, where even in midwinter it is not without attraction, because the evergreen foliage assumes then a variety of bright and bronzy tints and colors, which are so acceptable during the dreary winter months when our flower beds generally are devoid of all cheering features. If we can not have brilliant flowers at this time, let us endeavor at least to provide for the missing color by the free introduction of just such things as this heuchera.



A corner in the store of Mr. E. Wienhoeber, Chicago, at Easter.

Although a comparatively new plant it has found its way rapidly into all collections, and is not a rare plant now; its merits were recognized quickly among all lovers of hardy plants, but as yet few of our florists have paid much attention to the subject of using it, either as a bedding plant or for cut flower purposes, for both of which it is admirably adapted. A native of Mexico, but hardy as an oak tree with us, no protection is required in the severest winters (we have grown it for twelve years). The foliage is roundish cordate, with serrated lobes, slightly pubescent, especially along the leaf stalks, which latter spring from the low, stout crown tops in closely crowded circles, the leaves forming a compact mass about eight inches in height. From the axils an uninterrupted succession of paniculate flower stems are produced all summer, 15 to 24 inches in length, which are loosely set with charming little deep coral red flowers, bell-shaped and very graceful in appearance. These flowers last for a long time in water and are admirably adapted for narrow, tall little vases, and may be used to advantage in any instance where a light and graceful effect is to be produced. They are not bulky flowers, which would make a grand show in large decorations, but are dainty, beautiful and attractive when used in the right place.

We can have them at any time in summer or in fall, and by taking up a few plants in autumn and placing them under glass, we may have them also in winter. For this purpose we may either use the undivided clumps or single crowns, but in the latter case we must start operations earlier, because good spikes can not be expected from imperfectly established plants; therefore the crowns should be potted singly in three or four inch pots in September, and set in a convenient place where every encouragement for root formation must be given so that we may have well rooted plants any time when we get ready to take them in. A side bench, in which chrysanthemums were grown, may be used. The temperature of a carnation house suits them well, but a little more heat does not hurt; still when

grown too warm the stems get weak and flowers are pale. If it should be desirable for some reason to keep the plants in pots, repotting and an occasional feeding must not be neglected; otherwise there will be no trouble in their successful cultivation; ordinary common sense treatment is all they require.

In spring the old plants can be planted out again, and will in a short time bloom as freely as those left in the border all winter. Well established single crowns are perhaps preferable to the clumps. We get better and larger spikes from these and can plant them closer in the bench, but good results are also obtained from carefully lifted old plants if their roots are not mutilated in the operation. For spring sales it makes a good salable pot plant, and we have found that there is a ready sale for all we have to offer. We also have used some in veranda boxes for the past few years with entire satisfaction. Most people who had them once are so delighted with them that they ask us to put more of these tall red lily of the valley in their boxes another year. As to the propagation of these plants, there is no difficulty whatever; they divide freely and single crowns planted in spring will have made five or more side growths before fall. Most of these growths having roots attached to them may be again removed if stock is still to be increased.

Seed sowing is not always successful. The seedlings come up all right, but are liable to damping off in the seedpans or boxes before they are large enough to handle, yet under the right conditions and with a little precaution success may be insured. Sow the seed thinly in shallow, well drained pans filled with sandy soil; cover the seeds slightly with clean sand, keep in a shady place until all are up; then remove to an airy position and by degrees allow them more light. Always guard against overwatering and keep as cool as possible. Do not attempt to force a quick growth after the little plants are pricked off in boxes; let them alone until five or six new leaves are formed; then pot off into thumb pots and in a few days after they will be so far established that we need have no further fear of their damping. These little plants will have to be planted out some time during summer, selecting a favorable moist or cloudy day for this performance. Some of them at least will flower in the following season, even if it be late in autumn, for their growth is rather slow at first. As to soil they are not fastidious exactly, but stiff, moisture-retaining ground should be avoided, while in very dry situations their flowering period is cut short. In a well drained, sunny position, and in moderately enriched soil, they probably do better than in shaded situations, but I have seen good free blooming plants under trees where we would not expect such gratifying results.

The plants are slow to grow in height, but after being four or five years in the same place the crowns will have elongated six or more inches above ground, which gives a neglected, straggly appearance to the plant. Dividing and deeper planting is the only remedy to rejuvenate the stock in all such cases. A more vigorous growth and larger spikes follow this change. Whenever possible this operation should be performed very early in spring, so as not to retard their free flowering too much. Fall division is not to be recommended, especially when we cannot do it early enough to allow ample time for the formation of plenty of new roots.



Violets in basket trimmed with blue ribbon. Arranged by Thorley, New York.

A few years ago a pure white variety was introduced, identical with the parent in every respect but in color. While we have not had it long enough to express an opinion of its merits, we have confidence in its future, but one year's favorable impression will not warrant the expression of a final judgment in this matter. The same holds good with the lately introduced H. sanguinea robusta, which may or may not be an improvement on the older variety. At the end of another season we may perhaps be able to say something more definite in connection with these plants. K.

WATER LILIES FOR FLORISTS.

Florists, to be successful in any particular branch or line of business in this competitive age, must be, to use a common expression, live, progressive and aggressive men. Prices range low, margins are small, growers holding stock ever desirous of turning the same into cash, yet reluctant to step down in prices, knowing full well that a step upward afterwards can only be hoped for, seldom if ever realized.

Growers of decorative plants for the garden in general should lead in the line of goods that are best adapted for embellishment of the flower garden. They should show what is best adapted for gardens and grounds of both the mechanic, the farmer or the merchant millionaire. Florists are too conservative. It is the same line of goods offered year after year, annuals, alternanthera, coleus, cannas, geraniums, etc., with a few novelties, occasionally new varieties or names, but no radical change or departure from the style of "bedding." There are some indications of a change, but in many places scarcely perceptible, far from becoming general, but a change there will be, and a welcome one it will be when time is fully ripe, and the florist who is alive to the fact will benefit by it.

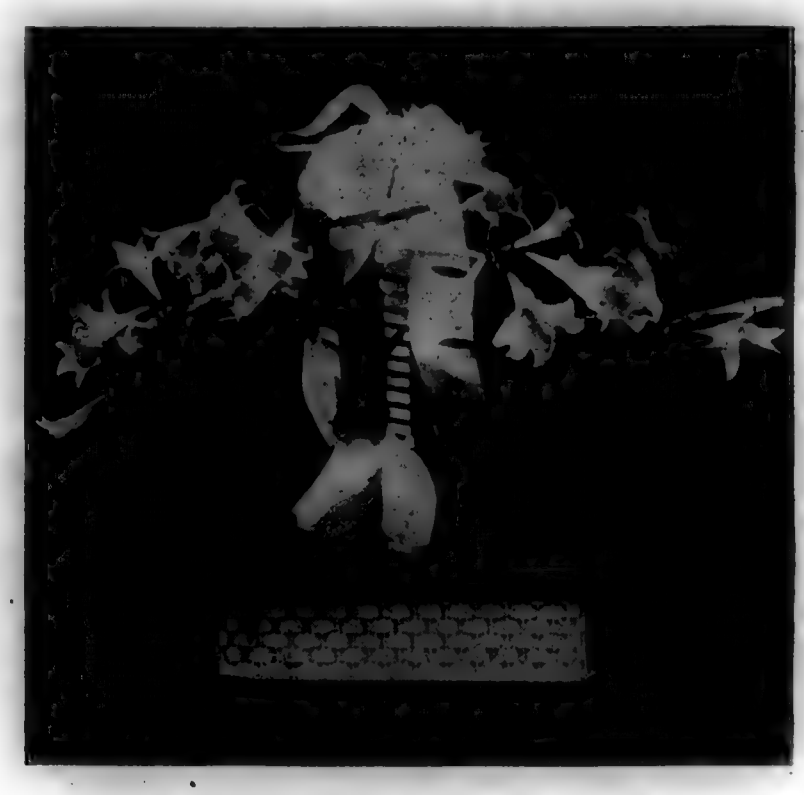
There is in some sections a very noticeable increased demand for hardy perennial plants. These are destined to become the most popular flowers for the masses of flower loving people who can grow flowers, and among them are classed hardy water-lilies and other aquatic plants, sub-aquatics and such as delight in a moist soil. The florists' garden should be a model one and should advertise his stock as much as do the windows of a dry goods or milliner's store.

Aquatics are ever increasing in popularity, yet it is surprising to find numbers of persons who have never seen a colored water-lily or know what a night blooming water-lily is. Florists should be alive to the fact that these are popular plants, the coming plants of the future, and there is money in it if handled judiciously, either as plants or cut flowers, and will lead to sales of other stock. A few well grown plants are a great attraction, and will certainly pay well for the investment.

To commence with, a good plan is to have a small artificial pond, about ten or twelve feet in diameter; this will suffice for three or four water-lilies and some lotus, with a few minor plants. The shape may be circular, oval, oblong, or whatever may suggest itself to the grower, according to location and other circumstances. A background of flowering shrubs, ornamental grasses and hardy perennial plants make a good setting to the pond, where, if the latter is artificial, all traces of masonry should be obliterated. The depth of water to grow most water-lilies in is an average of twelve inches. A pond may be made two feet deep. This will give ample



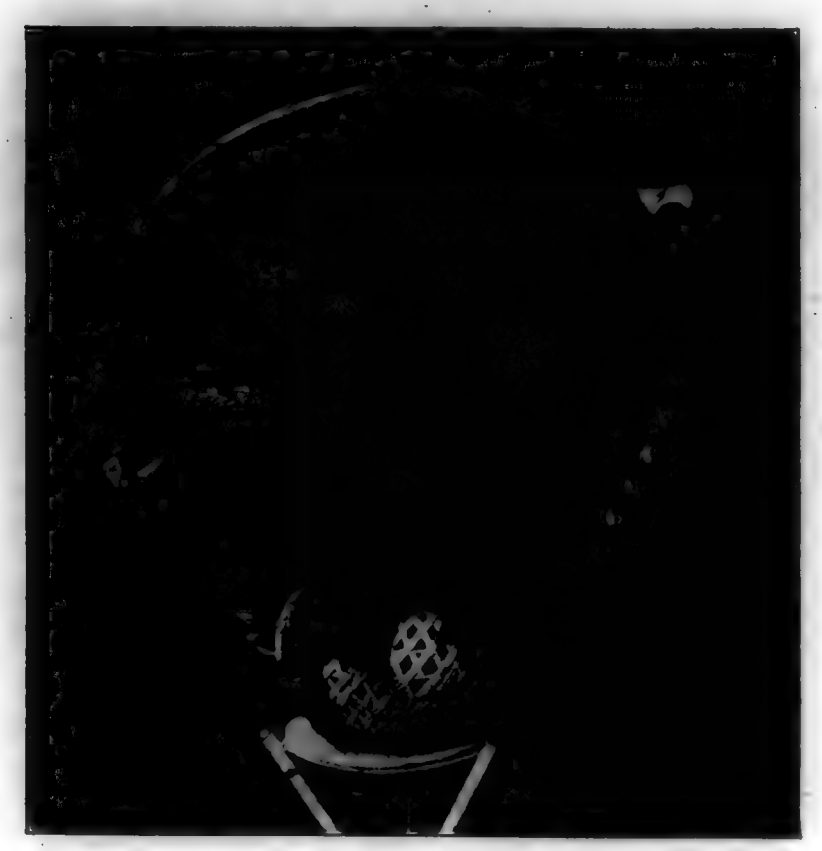
Hydrangea trimmed with crepe paper.
By J. H. Small & Sons, New York.



Lilies in celluloid basket, trimmed with white ribbon.
By Siebrecht & Son, New York.



Hyacinths in basket, trimmed with white ribbon.
By Siebrecht & Son, New York.



Genista Fragrans in basket, trimmed with orange ribbon.
By Rosary Co., New York.

accommodation for the plants, either grown in tubs or boxes or soil placed in the bottom to the depth of ten or twelve inches, and twelve inches depth of water above the crowns of the plants. In either case the soil should be covered about an inch deep with sand before filling up with water. A section of the pond should be walled off in which to grow the lotus, as they are rampant growers and should not be confined to the limits of a tub as nymphaeas. Plants of both nymphaeas and nelumbiums will do moderately well in tubs plunged in the ground or standing on the surface, but they do not compare well with those that are submerged in a tank or pond where the water surface affords a much better and larger development of leaves, and consequently flowers.

A pond ten feet in diameter will afford accommodation for four plants of nymphaeas, either planted out or grown in tubs or boxes. These may be all hardy varieties, but as the hardy varieties do not embrace all the colors some tender varieties may be included, and the four plants may each be a separate color, namely, red, white, blue and yellow. With two exceptions, no class of plants embrace these four distinct colors. Nelumbiums are supplied in three colors in various shades—no blue.

The soil for nymphaeas and aquatics generally should be fibrous loam, inclined to be heavy, two-thirds, and thoroughly rotten cow manure, one-third. Plants to furnish a pond ten to twelve feet in diameter can be bought now for a mere trifle. Four

nymphaeas, as before stated, and two nelumbiums will be sufficient for a pond twelve feet in diameter, involving an outlay of about $2.00. These will give greater satisfaction and pleasure for the amount expended than treble the amount for any other kind of fancy bedding plants on the same space, as well as being a drawing card for the florist.

Such a pond as above described will not afford a heavy cut of flowers, but where such is needed a much larger pond will be needed. The season for planting is rapidly approaching. Hardy nymphaeas may now be planted; nelumbiums, latter end of the month or early in May, and tender varieties toward the end of May, according to sectional localities, earliness or lateness of locality. WM. TRICKER.

Riverton, N. J.

CARNATIONS

PLANTING OUT.

Indications are for an early spring, and that means a chance for an early planting out in the field. I would suggest to those who have plants in a suitable condition to plant out, and the ground in the proper condition to receive them, not to hesitate and plant. In my last notes I called attention to this matter, and dwelled especially on the importance of having the young plants in the proper condition for the transfer, ready for the first favorable opportunity to plant.

I will now say a few words concerning the preparation of the ground in the field. Of all things avoid ploughing, spading or working the soil in any way when wet. It should never be worked unless it is so dry that it will break and pulverize. It may be sufficiently damp to ball in the hand, but not so damp that it can not be broken and pulverized again to the same condition. If ground is worked when too wet, it is spoiled for the whole season, with corresponding results. On the proper condition of the soil when worked and on the thoroughness and judiciousness with which this work is done, depends much the retention of moisture in time of drouth. A liberal supply of well rotted stable manure, some wood ashes, and if the soil is deficient in lime this may be added and ploughed under. Horse manure is best for heavy soils, while cow manure is better for light soils. If bone meal or other commercial fertilizers be used, I would prefer to sprinkle them over the ploughed ground and work in with the harrow. If one possesses enough land for rotation every season, the ideal ground is some sod or clover turned under the fall before. As to the kind and texture of soil, I consider a sandy loam the best for summer culture, although carnations are grown in all kinds of soil, but different soils require different treatment, and every grower should know best how to till his particular soil. I desire to add that as it does not require a farm, and in most places not even an acre, to grow plants, it is well-spent labor to put the ground in the best possible condition.

Distance in planting differs much, subject to the mode of cultivating, either with horse or hand cultivator. Having enough land to plant far enough apart to allow cultivating with the horse, I prefer hand cultivating and use the Gem hand cultivator. We plant in rows 18 inches apart and 12 inches in the row. Every fifth row is omitted, so the field appears in beds of four rows each. In planting care should be taken not to plant too deeply, for nothing is more inviting to stem rot than deep planting. I also would caution not to plant when the ground is too wet, for it is harmful to plant and soil, as can be noticed when dry weather follows. We find the young plants imbedded in a lump of dry, baked soil, while the surrounding soil will remain comparatively moist. To break these hard lumps is equal to a replanting, for it cannot be done without injury to the plant, and if dry weather continues the plant is virtually shut off from moisture.

When transplanting much care should be taken that the young plants are well watered before planting; this especially when from pots so the little ball is well saturated with water, and when the plant is of sufficient strength and height, remove the heart, or, in other words, top it, by pulling or breaking it out. It is a great waste of strength and time to allow the young plant to form a bud, and should never be permitted. FRED DORNER.

FUMIGATING CARNATIONS.

Does smoking carnations freely injure the foliage and yellow the buds? Is there any system of fumigating with nicotine which is really practical and also harmless to the plants?

R. W. M.

Fumigating with tobacco stems will not injure the foliage or blooms when the smoke is not too strong, but it will leave the unpleasant tobacco odor on the flowers and render them nearly unsalable.

We use the Rose Leaf tobacco extract, prepared by the Louisville Spirit Cured Tobacco Co., Louisville, Ky. It can be bought in any quantity, from a pint can to a five-gallon can. Direc-



Bottle Brush (Metrosideros) trimmed with crimson ribbon in celluloid basket. By Thorley, New York.

tions as to the various methods of using accompany every package. We have found this the most effective and the cheapest insecticide. It is entirely harmless to plant and bloom, but very destructive to insect life, and it will leave scarcely any odor on the flowers. This is not smoking, but a vaporizing of the nicotine, and this explains its harmlessness to the plants.

FRED DORNER.

CARNATIONS NOT OPENING.

I send some samples of Scott carnation which you will notice are affected by what seems to be a fungoid growth that prevents the flowers from opening. Albertini, Jubilee, Armazindy and Daybreak are growing in the same house, but have never shown any signs of the trouble affecting Scott. About two weeks ago I first noticed that the flowers did not open and for the last ten days I have not seen a perfect flower on Scott. All other varieties are doing finely, and so did Scott up to two weeks ago.

The temperature is 50 to 52 degrees at night, 60 degrees on dark days and 70 to 75 degrees with sunshine. Have given plenty of fresh air and the plants have never been syringed overhead. I vaporize nikoteen occasionally and have not used any fertilizers or liquid manures for some time. Can you tell me the cause of the trouble?

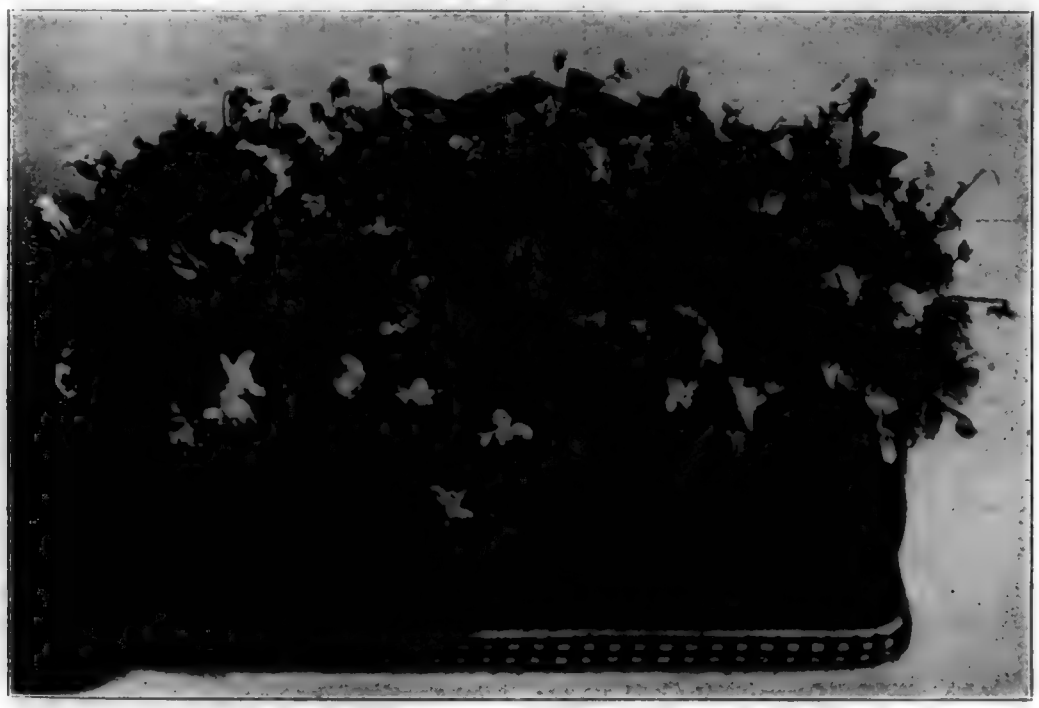
R. W.

The flowers received do not show any fungoid growth, and I think the trouble must be due to other causes. When a bench becomes dry at the bottom and this remains unnoticed, especially during several bright, warm days, the trouble described may result. The buds that are just showing color are more apt to be affected than the open or half open blooms. It will occur only when exposed to the bright sunshine. R. W. says that other varieties growing in the same house are unaffected, but varieties differ, and especially in the absorption of moisture from the soil. The water supplied to the whole house alike may have been sufficient for the other varieties, but not for the Scotts, and the latter have become dry at the bottom without being noticed, which made them unable to withstand the effect of a sudden burst of sunshine at this time of the year. This is a reminder to at once put on a light shading, which is really necessary at this season to preserve the flowers and prevent their dwindling in size. The best shading is white lead and kerosine, mixed very thin. Put it on with a good whitewash brush, over the whole glass and not in streaks, but apply it as thin as possible. It will break the sun's rays, but will not wholly obstruct them. The glass will have the appearance of being milky. This wash is more expensive than the lime wash, but it will last longer and answers the purpose much better, by being and keeping more transparent.

FRED DORNER.



Violets, Erica Fragrans and Adiantum in hamper, with lace ribbon. By Thorley, New York.



Marie Louise Violets and Small Ferns in fancy basket. By J. H. Small & Sons, New York.

VIOLET NOTES.

Another Easter has come and gone, and like last year with us the demand for violets was greater than the supply. Unlike previous years, the last two years have seen the poorest trade directly after the holidays, remaining so for a week or two, then commencing to pick up, and growing better till Easter, which practically closes the season. Of course, if you have taken proper care, in shading, ventilating, etc. (as previously mentioned), you will still be picking fair violets, which meet with ready sale at the reduced prices at which they can be sold for the balance of the season.

The preparation of your field for growing next year's stock of plants should now have attention. If we can have just what we prefer, we like to take a piece of sod land, a good stiff sod, covered thickly with well rotted manure (the well rotted part I would emphasize well), free from sticks, straw, stalks, etc. Then we want a man that knows how to plow with a good team and plow, so that the sod and manure are turned under entirely and smoothly. But if we cannot have this, we prefer a field where a sod was turned under last season, and which received good cultivation, and is free from stubble, manuring this and proceeding as with the other. We do not like to use horse manure if we can get other kinds, unless it is two or three years old, or the land is inclined to be cold and damp; then it is well enough, unless the season is extremely dry.

I should also say that we have found it important, if possible, to have the field so located that it can be watered if a continued dry spell oc-

curs. This is the more necessary when we have a season like last year, which was wet till late, when the dry spell came on. We had one piece that we made no attempt to water, as it lay rather more moist than the others, and owing to the rains nearly all summer and the nice appearance of the plants we did not realize in time that we should have watered them. Had they grown dry all summer they would not have suffered so quickly, but having grown freely all season, they were softer than they otherwise would have been, and so felt the change more quickly. The result was it hardened them up quickly, giving them a severe check, from which they took a long time to recover, and part of them received a good dose of red spider as a consequence of the check.

The moral of all this is that when you think your stock is the best is the time the violet growers' motto, "eternal vigilance," is perhaps most imperative. Certainly we shall cause rain of our own to fall on our violets this season if nature fails us, if only for a short time. R. E. SHUPHELT.



Heath and Epacris in fancy basket and silver jardinieres. By Stumpp, New York.

RECOLLECTIONS OF EASTER.

The Easter of '98 will long be remembered by the florist, not only for the perfect weather which prevailed, but as a considerable advance on any previous year in the general use of our and nature's products. Fifteen years ago the florists in large cities, or, for that matter, any city or community, looked forward to church orders as the coveted part of the business. Not only the order from the church, but many elaborate designs as memorials were sent by members of the congregation, and these decorations were largely confined to one or two denominations. Beautiful as all this was, there has been a great change; it has become our greatest season of all the year. The day is one of gladness to all classes. Apart from its sacred associations, Easter is the awakening from the sleep of winter to the life and animation of spring. Kindly greetings and an exchange of some remembrance are now becoming almost universal, at least in our land, and who is more the beneficiary of this Christian custom than the florist? Many another business gets an impetus at this season, but none relatively more than our innocent calling.

It has increased from year to year, and never were there as many plants and flowers sold as the Easter just past. Fashions come and go, and come again. The Easter card had its day, but it is hard to believe that such an appropriate, guileless gift as a pretty plant or bunch of flowers can ever drop from popular favor. As previously mentioned, I believe all florists will agree with me that we dispose of more of our products at Easter than on any one day or week of the whole year. Long may it be so and ever increase, and may we all be deserving of the kind patronage of generous people.

He is a dull man who does not profit by the experiences of the past; and what are they? To the writer, some of them are as follows: The public, our patrons, expect, and reasonably, too, that every plant delivered to a friend should be neat, tasty and, however inexpensive, at least attractive. The days of dirty flower pots are some time past, and now the days of the bare pots are past. I am not an advocate of the florists' stores being ribbon counters, but the naked earthenware pot is not the thing to accompany the beautiful plant. If our patrons wish to pay for several dollars' worth of ribbon to adorn a lilac, let them have it; they will pay for it. Usually those most willing to indulge in the abnormal are more able to pay. The crepe paper as a covering for the plebeian flower pot was very generally used, and even for the inexpensive 25-cent hyacinth it greatly enhanced their appearance in the eyes of those who were receivers. This is a tax additional to former expenses, but the increased business and an improved way of conducting it will easily pay these little charges.

It will largely depend on your taste, your promptness, your general neatness and the all 'round condition in which a plant arrives at its destination.

About your future orders: To digress one moment—a clever and good gardener may have watched over a plant for months, studied temperature, parasites, and care in every way, and when his pets had reached perfection and he had realized a good price for them, they were ruined by some careless delivering of an ignoramus. The man who sees that the orders are carefully packed and started right on their destination is quite as valuable as the man who sells them.

The most important impression I received this past Easter was that an exchange of gifts is getting now to be so general that, even with the wealthy, unless they can "remember" all their friends with a plant or box of flowers at a moderate cost "per head," they will slowly discontinue this most amiable practice. Among the very wealthy a big price is often paid for a large and handsome plant, but it is so rare that the general florist need care little if he has to disappoint his customer in this respect. He cannot supply everything, even if he kept a department store.

While not in the least discouraging is the importation of plants from Europe that we can properly use, yet undoubtedly too much dependence is placed on these plants, and not near enough to acceptable, moderate-sized plants that can be easily produced at home, and are much better relished by our patrons, especially those whose pockets are not bursting and who always will be in the majority.

Take notice that azaleas had but a very moderate sale and lilacs and several other of these bulky plants went slowly. I have no wish to lower the business, but it is a fact that the plant that sold from 50 cents to $2 had the call, and the dollar plant was certainly the favorite, even with the well-to-do. The lily held its own, even a stronger favorite than last year, and there is not the slightest reason why it should not remain the emblematic flower of Easter. Grow more yourself and depend less on costly importations. I have in mind several things



Boronia Elatior trimmed with pink and white ribbon, in celluloid basket.
By Stumpp, New York.

that sold so well this year that I shall grow them in much increased numbers for another year, and if I know how, the readers of The Review shall know as much as I do.

WILLIAM SCOTT.

MISCELLANEOUS SEASONABLE HINTS.

Poinsettias.

If you have not already started your poinsettias, do so at once. It is not late, however, for cuttings struck months after this will make most acceptable plants. Our old plants have been stored away just as they were knocked out of the pots and placed in flats, in dry soil, under a dry, warm bench. The wood will now be ripe and hard. Shake off the old soil, cut back the stems to the sound part; usually an inch or so is dried up; pot into 4-inch pots, and start them growing in a light, warm house. You will get plenty of breaks, which, when 2 or 3 inches long, make the best of cuttings. They root easily in an ordinary cutting bed, but should neither in the sand nor the first week or two after potting be allowed to wilt for want of water or shading. But remember that after the young plants are once well rooted in the pots, not a particle of shade at any time should be given.

It may be entirely immaterial about cutting many cuttings at or just below a joint. In the poinsettia I much prefer the cut should be close to a joint, and when taking the cutting from the old stem, leave at least one joint of the young growth, from which you will get another crop of cuttings. Those propagated as late as August made last winter our best plants, for the earliest propagated were spoilt by mismanagement, while the plant, after flowering, can be treated almost like a dry bulb; it is very different when in full leaf, and in the successive shiftings that you give it the roots must be disturbed as little as possible.

Lilies.

Since the great clear-out of Easter, we have to shift and spread out many of our future crops. The lancifolium lilies should now be shifted from the 4-inch pots in which they were started to a 5 or 6-inch, their flowering pot. A cool, airy house suits them best, and a little shade, and if kept free of aphis by regular fumigating, will well repay the room and labor, especially Lilium l. album. They make a handsome bunch, and we have them in July and August, when white flowers are scarce.

Smilax.

The flats that were sown in January or February should now be potted off into 2-inch pots. They will do in any shady corner, and I have seen the little plants thriving beneath a bench, but the better place you give them the stronger and better they will be. About June 1, those for your own use, at any rate, should be shifted into a 3-inch; then they will be stout plants to plant in the new bed very early in July. The difference in results between a spindling little plant and a stout one in a 3-inch would be one crop worth at least 15 cents per string. A strong plant set out in July will easily produce four crops by the following June, if grown in a temperature of not less than 60 degrees at night.

Geraniums.

In February we took off the tops of a good many thousand zonal geraniums and put them at once into 2-inch pots. A very small loss has occurred, and they make better plants than those put in the sand. Just as soon as well rooted, they should be shifted into a 3, or, better still, 3½-inch pots. They make fine bedding plants and come in finely after your 4-inch autumn struck plants are disposed of. Why I mention these simple operations is that several seasons we have been guilty of leaving these spring-struck geraniums starving till the middle of May, and then shifted them. They would then almost stand still. They were stunted, and you had ceased firing, and when you do that, there is a halt for a short time in the growth of all the soft wooded plants.

Pelargoniums.

We have rather a large and fine lot of these showy plants. I may be allowed to say this, as they are not for sale except at home. They are broad and stout, with leaves like small rhubarb. You cannot see the pots, which are 5-inch, and the buds are just showing color. Cool and almost dormant as these plants have been in the days of winter, in spring they begin to grow, and when flowering must have plenty of room and abundance of fresh air, and in damp, rainy weather, during the months of April and May, must never be without fire heat. When in full bloom, one cool, damp night will ruin them, and their petals will drop, rotting the leaves in a few hours, and your work of months is ruined in one night. Greenfly is very fond of them, so smoke often till the flowers are open, then mildly, or the flowers will drop. It's a pity the pelargonium is not more popular and profitable. The wonderful flowers and more durable qualities of the zonal type have taken its place, but it is a real good window plant.

Cannas and Caladiums.

You should not lose a day, now, in getting all of these into 4 and 5-inch pots. Much room has been saved for the past two months by having these in flats, crowded together and growing in some light, rich soil. We are tearing them apart and putting the strongest cannas in 5-inch and others in 4-inch pots. The caladiums must have at least a 5-inch, for they are great to root. There is an annual increase in taste for bold or sub-tropical gardening, in which cannas take a leading part, and you are not likely to be overstocked with them. Remember that coarse as the caladium is, it is truly tropical, and will not grow unless kept warm. The canna will grow moderately in a lower temperature. Papa canna is a grand variety and no longer expensive; all should have it.

Chrysanthemums.

You should endeavor to put in a large batch of cuttings just now. With the help of fire heat, and daily watering of the sand they will root very quickly. Cuttings rooted now will make just the plants to put on the bench the middle of June to make your plants for lifting in September for pots, but what is of more consequence they will, if kept growing, be fine plants to put on the benches at the end of June for your main crop of flowers. If you have a nice lot of Bonnaffon or Jerome Jones propagated two months ago, as they should have been, and they are growing strong, don't pinch them, because the tops would make "such nice cuttings." Let them grow, and even if you have to put them into 4-inch pots for a month, it will pay you over again. You should manage to get the two varieties mentioned, also Ivory and Mme. Bergman, planted by the middle of May, if you expect or want to get A1 flowers, with good stems. Young chrysanthemums that are in 3-inch pots will do very well in a cold frame, far better than in a close, stuffy house.

Asparagus Plumosus and Sprengerii.

Several weeks ago I advised the sowing of both of these. Sprengerii is one of the most useful plants we have; its beautiful fronds or branches are going to considerably affect the demand for Maiden Hair ferns; then again, it is so durable and adapts itself to a bench, a pot, or a hanging basket. Plumosus has proved this winter with us of the greatest value as a plant for fern dishes. So well is it adapted for that purpose and so satisfactory to the purchaser, that we have been frequently asked of late to refill a fern dish with a Cocos Weddeliana and nothing else but A. plumosus. They are bushy little plants, sown last July, but to have them of useful size in November they should be sown not later than this date. If one-third of your stock of small plants for ferneries is composed of Asparagus plumosus nana, you will be fortunate. Where the nana comes in I don't see, as it would grow thirty feet high, if allowed, and does in the lofty houses of Mr. Wm. Elliott.

The Use of Hot Beds.

Some readers may think it's rather late to talk about hotbeds, but it's not. It would be to start growing cucumbers or lettuce, but for the next five or six weeks it's just the place to induce a healthy, free growth on many plants; it is the genial warmth that the roots get when plunged, or the ammonia in the atmosphere — most likely both. Certain it is that many plants will grow with more freedom and vigor than it is possible to obtain in any greenhouse with the greatest care.

Here is a list of what we are just now plunging in three or four inches of soil on top of eighteen inches of stable manure, evenly and firmly made: Tuberous rooted begonias, that were started in flats about five weeks ago; just the place to prepare them for bedding out at end of May; some tuberoses that were also started in flats several weeks ago, and which you will be asked for at bedding-out time; the variegated and bronze geraniums; alternantheras of all kinds, the only place for them; mignonette, three little plants in a 3-inch pot; they are always wanted; lemon verbena, sweet alyssum (of course, only the double), verbenas, rose geraniums, ageratum, and others.

I don't approve of putting the zonal geraniums in a hotbed; they make such a rank growth that although attractive enough to your confiding patron, are very liable to stand still when bedded out later on, and that would redound to your discredit. These homely structures are not only a help to the plants, but give you much more bench space, so scarce an article till you begin to bed out.

An Omission.

My notes last week were written under an exuberance of animal and mental spirits, produced by the charming weather of Easter, and were very incomplete. I started to say something about mignonette, but never reached it with my pen. A friend was kind enough to make very flattering mention of it in a contemporary. Certainly I have never grown anything that pleased me more, but there were only a few score of them—500 would have about filled the bill. It is a long way off preparing for them, yet they were a long while growing, and must be, to do them right. A friend remarked to me: "Seventy-five or even fifty cents was a mighty good price to get for a 4-inch pot of mignonette, but they took a long time to grow." Not any longer than we give to a geranium —from September to perhaps June 1— and then are doing well to get $12 per 100. The seed of this mignonette was sown the middle of August, and when large enough, carefully potted into 2-inch pots. In December they were shifted into 3-inch, and the middle of February into 4-inch. They were pinched several times, the last time at the last shifting. The whole secret was a low temperature. They were never out of a violet house till sold. You could grow them in half the time with more heat; tnen they would be drawn up and useless. They were about 8 inches high and 10 inches broad. The variety was obtained from John N. May some years ago, and good spikes selected for seed every season. I still think it is a grand variety, and bids "defiance" to them all.

WILLIAM SCOTT.

BALTIMORE.

Easter Report.

Taken as a whole, Easter trade was very satisfactory. A few days of sunshine and mild weather had the happy effect of opening stuff up and restoring lost color and vigor, thus making the local supply more plentiful and of better quality than expected. This favorable change came too late, however, to entirely satisfy the demand, and as our market was taxed to its utmost, Washington, Philadelphia and even New York received and responded to a good percentage of our orders.

The retailers all did as much business as they could conveniently handle. Every one has reported "as much, if not an increase over last year's sales."

A glance at the store and window decorations confirms the fact that they never have been more tastily decorated than at this season. The storekeepers seem to have tried to outrival each other in this particular.

Crimson Rambler was the talk of the town and sold well at novelty prices, while laurels, ericas, acacias, genistas, scores of azaleas, lilies and the common blooming stuff in general were as much in demand as ever. Fancy dresses of crepe paper, ribbon, etc., added much to the attractiveness of these plants, and in many cases helped to sell them.

Brunners, Jacks and Meteors were the red roses. Beauties, being somewhat poor, were not sought after. Carnations were the favorite flowers, and many thousands were disposed of at $1.00 and $1.50 per dozen. Violets were miserably poor. Many of our retailers refused to take orders or even to handle any, while those that did are now wishing they had not touched them. The chief complaint was that they did not keep twelve hours after picking before turning to water, and were too rank for use.

The markets on Easter Saturday evening presented a sight which is seldom seen outside the domains of a flower show. Most of the stall holders augmented their supply of stock by double the usual amount. This, however, proved a well taken precaution, as the streets were unusually crowded

and an immense business was done. This week at the markets bedding stuff, such as geraniums, coleus, etc., has taken prestige over bulbous stuff, and trade has again settled down to the usual run.

Notes.

At the last regular meeting of the Gardeners' Club, April 1, our financial secretary, Mr. Wm. Paul Binder, tendered his resignation, owing to press of private business.

We have just passed a week of weddings. Several large events are now booked for the later part of the month.

C. F. F.

NEW YORK.

The Wholesale District.

The usual toboggan of prices after a holiday, and the relapse of the market into "innocuous desuetude," is no exception at this writing; the aftermath, so to speak, has simply been sickening—the worst in the remembrance of the "oldest inhabitant," and that is saying heaps. The possibility of war has been no mean factor in this, either. As usual, the luxuries suffer first.

American Beauties, which seem to have been an endless chain of late, are still coming in in abnormal quantities, and range in value from 10 cents to 20 cents each, more being sold at the former figure, 12½ cents being a good average for really fancy stock.

Brides, Maids, Morgans, Cusins, Meteors, etc., there are in plenty, and range in price from $5 to $50 per 1,000. The quality of the roses leaves no room for complaint. Brunners are very fine and command fair prices. There is a considerable shortening in Jacques, however, but the price is low.

Carnations are not so plentiful, and are about the most salable stock; in fact, they will show an excellent average for the season. There are times, however, even when this stock goes begging.

All the Harrisii "that didn't quite get in for Easter" is now flooding the market, and prices are almost what you can get. This applies a good deal also to all bulbous stock.

As to violets, the less said about them the better, prices running all the way from $1.50 to $4 per 1,000, and practically no demand. Since every Tom, Dick and Harry has taken to wearing them, the "four hundred" have almost ceased to buy.

Sweet peas are getting quite plentiful, while orchids and smilax are getting scarcer daily, though it is almost time the new crop of the latter was coming in.

Seed and Bulb Trade.

All the seedsmen report a heavy increase in business, 20 to 30 per cent in some instances. There has been plenty of life to the trade and indications are that it will be way ahead of last year. This is indeed good news, as this department has suffered greatly the last three or four years. Prices, however, have averaged low. The backbone of the mailing and shipping is broken, however, now, and the "counter" trade is almost at its height. The recent cold snap checked this considerably, and so it has come now all of a rush.

The spring bulb trade, too, has been very satisfactory, Japan goods selling remarkably well. Many are booking heavy orders for fall bulbs, and the men on the road are making a very satisfactory showing.

Retail Trade.

Recent interviews with the above confirm my statement of last week that plant sales at Easter were enormous, with very little stock left over.

As usual, after Lent, there is a general revival all along the line, though not so marked as in former years. There are many weddings and social functions, however, that are happening, and the future is bright if that word bugaboo war did not stare us in the face.

Various Items.

Lost!!!—The firm of Polykranas & Slavropoulis, of Columbus avenue. There are many wholesale men and plant growers who would like to know their present address. It seems they have left for parts unknown, leaving many bills unpaid.

There are many instances in history, fiction and prose of patriots leaving their trades and going to war. Who shall be the first Cincinnatus to start for the front or open a recruiting office! Victor Hugo mentions one specially, and who returned afterward "to spend his days peacefully in the art of gardening," so surely there must be some affinity.

ST. LOUIS.

Florist Club Meeting.

The regular monthly meeting of the Florist Club was not so well attended, owing to the fine weather and all the growers being too busy to leave their work. This was our yearly rose meeting and quite a number of local and outside growers exhibited some fine stock.

Among the exhibitors from outside of the city were the American Rose Company, Washington, D. C., who sent Mme. Chatenay and Golden Gate. H. Weber & Son, of Oakland, Md., staged that fine pink rose, Mrs. Robert Garrett.

Among the local growers in and around St. Louis were J. F. Ammann, Edwardsville, Ill.; E. W. Guy, Belleville, Ill.; F. J. Fillmore, Max Herzog and Robert F. Tesson.

The report of the chairman of the executive committee showed that the special prizes to date for the next show were as follows: Special prizes from private persons, $800; Shaw prize, $500, making a total to date of $1,300. The old committee made its final report. The special prizes still out from last year were turned over to the club and the books ordered turned over to the committee of finance for this year. The chairman of that committee is Mr. C. C. Sanders.

Rudolph Mohr, late of Omaha, made application for membership.

Report on Exhibition.

The chair then selected Messrs. E. W. Guy, J. W. Kunz and J. J. Beneke to act as judges on the roses on exhibition, making the following report: Mme. Chatenay, good color, improvement on La France and worthy of certificate; the members were much impressed with this rose.

Golden Gate did not seem to take so well, the color not being very good.

Mrs. Robert Garrett, extra good flower and excellent color. This rose has already taken the club's certificate at the last show.

The American Rose Co. also had on exhibition a fine vase of seedling carnations, some of them very good.

Mr. J. F. Ammann and E. W. Guy showed a vase each of finely grown Perles.

R. F. Tesson and J. F. Ammann, a vase each of Brides and Maids of excellent quality.

Mr. Tesson's vase of Carnots, Kaiserin, Wootton and Cusin were especially fine.

Frank Fillmore and Max Herzog each had a vase of mixed roses, consisting of Brides, Maids, Perles and Woottons, that were well grown.

The next meeting of the club will be held on Thursday, May 12, at 3 p. m. This will be an exhibition of miscellaneous flowers and all members who have a surplus should contribute and make it interesting, and should also attend the meetings more regularly. I am sure everybody can spare a few hours once a month to attend same.

A Bad Glut.

The early part of the past week is marked by the worst glut of many seasons, and with the fine warm weather we are having just now the prospect is favorable for the glut to remain over this week. The best of stock could be bought at almost any price. The fakir is having the best of it and is selling good stock on the street at any price; not only roses and carnations were selling for almost nothing, but every other flower as well.

Bulb stock is very plentiful and lots of it was sent to the dump pile. Harrisii are down to $6 and $10, and ferns are about the only scarce article in the market. Smilax is now in good demand.

Notes.

The floral decorations at the funeral of Adolphus Busch, Jr., son of the millionaire brewer, were large and elaborate, and every florist in town had one or more designs. The rush for white flowers Saturday and Sunday was great and was considerable relief to

the commission men, as they were stocked up to the brim with flowers of all kinds. The Riessen Floral Co. had the bulk of the trade, having to work all night Saturday. They counted 100 designs of all descriptions. Jordan Floral Co., Aug. Schuerman, C. Young & Sons and North Floral Co. were also very busy.

The attendance was somewhat better at the Bowling Club Monday night, and some of the old faces showed up once again. The usual three games were rolled and some good scores were made. Beneke was high man, with 572; Kunz second, with 558; John Young third, with 549. The high single score was by Beneke, with 224; Kunz second, with 214; Kuehn third, with 200. Mr. Duncan Finlayson was a visitor and rolled with the boys. Next Monday night will end the April series and the race for the average medal is between Kuehn, Beneke and Kunz. Anyone who wishes to win the high score medal will have to beat 266, by Emil Schray. J. J. B.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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TORONTO.

Satisfactory Easter.

Not having returned home until the Tuesday after Easter, I am unable to give particulars of the Easter trade here, but, judging by the beaming countenances of those whom I have met, I should say that it had been above the average. Times are certainly improving all over Canada; we are on the up grade again, and though the grade may be light, still it is up, and people feel that it is safe to loosen their purse-strings a little. It is sincerely to be hoped that we shall have no more booms, to be followed by their inevitable consequences.

Personals.

The jovial, genial and well beloved gardener, Joseph Graham, late of the Asylum, has been moved to the Government House, and will for the future preside over the gardens and greenhouses there. I don't quite know, but I have an idea that "Joe" will not altogether appreciate the change, although the salary is larger, and it is decidedly a step-up, but having been at the Asylum for so many years and having made so many improvements, both in the gardens and greenhouses, he had become a part of the institution. He had collected a very large number of plants, too, and took great pride in them. If anybody had lost or wanted some particular variety of anything, "Joe" was sure to have it, and was always willing to give or trade cuttings. Every one will wish him luck in his new sphere.

Fred Brown, who succeeded Mr. Arnold in his store on Queen street, appears to be doing very well, and is more than keeping up the reputation of the stand.

A Visit to Vancouver.

Floriculture in Vancouver, B. C., is very little behind the times. It is a difficult climate in which to grow flowers during the winter months, there being so much dull, wet weather. Carnations and roses were being grown on the bench, but, it seemed to me, not with any great success, the difficulty being to get the bloom on when it was most wanted. Roses, of course, they must have, but I think the most profitable way of growing them will be either in pots or on solid benches. I am doubtful if carnations can ever be made much of a success, any more than they can in England. There are, however, any amount of other flowers which the climate there would just suit, and I was rather surprised that other things were not being tried.

The two principal places were Messrs. Walker & Robinson and the Vancouver Floral Co. (managed by Mr. Pont, formerly of Winnipeg). Both have nice, clean, well ordered places, and appear to be doing a flourishing trade.

It was very pleasant to see again all the flowering, evergreen and coniferous trees and shrubs which any one who has lived in the old country is so familiar with; hollies, boxes, ivies, cupressus, biota, retinospora, thuja, etc., in endless variety; all the tea roses flourishing out-doors and many herbaceous plants almost unknown in these parts. The climate is about the same as it is in Devonshire, England.

As to the mountain scenery, this is hardly the place to attempt a description; it is indescribable, anyway, and must be seen to be believed. Words are entirely inadequate to express the grandeur and magnificence of it.

Now is the time to take it in, while the rates are low and you have your Easter pile in the bank.

Stanley Park, at the west end of Vancouver — 950 acres, nearly surrounded by water (tidal)—is a very beautiful place, in quite a natural state, with the exception of a road around and paths through it. The trees are principally the Douglas fir and Thuja gigantea, and they are gigantic to eastern eyes. The ferns, mosses and lichens found there in great profusion are very fine. It was here I fell in with a Mr. T. Selwood, one of the good, old-fashioned English gardeners, and many, long and very pleasant were the horticultural talks we had together. Mr. Selwood said he had not talked orchids for years and years. E.

BUFFALO.

Easter Business.

The notes I sent you last week, Mr. Editor, were taken or impressed with too much haste and excitement to be of value. Since then, time has given me an opportunity to get acquainted with the facts. It is within bounds to say that the bulk of the business must have been at least 25 per cent. more than at any previous year. I base this on the strength that there were more to do it and all pronounce an increase.

It is the verdict of all that expensive plants were not the thing this year. Moderate-priced plants sold better than Easter eggs, and very poor was

the person who did not indulge in one for friend or self.

The weather allowed plants to be handled at our public markets, and an immense quantity were there disposed of. They were, of course, a little more costly than at any of the greenhouses, but did not seem so because "we bought them on the market." If anyone disagrees with me that the business was not a substantial advance on last year, it must be simply his own experience, and that has no general result, as the world is guided by the inexorable law of "the survival of the fittest."

A few expressions from the boys will give you a better idea than any lengthy account, for it was their spontaneous expressions before they knew I was interviewing them:

W. J. Palmer, Sr.—"I tell you, it was all right, but I thought lilies were not quite so sought after."

W. J. Rebstock—"Business fine; entirely satisfied, but found large plants were wanted in small quantities."

W. Belsey—"I never had such an Easter; ran short of supply. My late cyclamens were a hit."

S. Anderson—"Plants were rather too much favorites to please me, as I was better fixed on flowers. However, it was all we could ask."

Rebstock's Annex No. 1 and Annex No. 2 (as well as some other annexes of our experience) say in unison: "What with rent, clerk hire and sundries, you are just as well without them."

W. A. Adams: "I was all right, my boy; sold out to a leaf, and that's more than most can say. Of course, it was a good Easter, but I am so tickled over getting into old man Scott's place at 479 Main street that I have no time to talk, unless you'll come across the street."

Charles Keitch—"We do not feel quite the rush of Main street, but found the demand for a pretty plant or an acceptable bunch of flowers far exceeded previous years."

Mrs. Newlands—There I could find only Mr. Wasson, Mrs. D.'s manager, who expressed himself thus: "We did first rate, you bet. Everything went clean. Say, Bill, there isn't much in azaleas. Never mind, we have an awful good lot of geraniums."

J. Pickleman—"Oh, yes, of course, Mr. S.; why shouldn't I? I had three thousand longiflorum and Harrisii all in full flower, all in good condition, and sold them well, largely on the market; fetched a good price, first-rate. Hope business will keep up." No, thanks, John; I have other people to see.

Mr. Buxton—"I never yet saw such a demand for plants and flowers, and although the great demand was for something moderate, it was more profitable to me than an expensive plant. I am much encouraged."

Thrall, the Florist—"Sacrum parentibus et amicus."

J. Stafflinger—"You bet, I was kept hustling; best time I ever had."

Henry Millatt, of dignified mien, says: "I had an elegant business and more than satisfied, yet I find, Mr. S., as you say, that costly plants are not the thing. Give me a plant for a dollar and I'll sell lots of them."

I have heard the ladies on the East Side all did a good business, as they deserve, for they are a good, sweet lot, and if I forget their names at this moment, I expect shortly to visit their establishments and thoroughly write them up.

In conclusion, I visited in the far southeastern section of our city Mr. Henry Buddenborg. He has a territory all to himself, and the population tributary to his store and greenhouses is about as large as Lancaster or Erie, Pa. Stylish as is his appearance, he is most affable in manner, and wished me to say that his sales and demand this year warranted him in adding largely to his facilities for future production. It is just as well to mention here that Mr. H. is wonderfully helped by a rosy, good-natured, clever, industrious little wife, who largely counteracts his philosophy.

Then we called in on the wholesalers, and Sebastian Pickleman, active manager of the Florists' Exchange, said: "We have handled more flowers than we supposed we would. Violets we were sadly short of, and carnations could have been sold in much larger quantities." Mr. Kasting I did not find at home, but Mr. Fred Maspholind Stokes, his factotum, said: "I had no idea this was such an event. What a business we could have done if we could have supplied all of our out-of-town orders."

Then a brief interview with Dan'l B. Long, who is now getting to be almost a patriarch among the boys, ever ready to help them and ever ready to pick up crumbs that fall from the poor florist's table. If Dan don't turn out the greatest floral artist south of the arctic zone, I miss my guess.

On my way home I called on Philip Scott, who runs 479 Main street, and asked the same question: "How was business?" "Get out of here, quick, and ask the old man," was the answer: and the old man says "Amen" to all the above and 3 per cent. added.

Various Notes.

The beautiful, unique and only hotel of its kind on this continent, "The Niagara," closed its doors this week. It is the property of Mrs. G. H. Lewis, and as a residence hotel was not paying. It will doubtless soon change hands and be reopened. It is a monument to the enterprise and almost philanthropy of the late Mr. Lewis. Overlooking Lake Erie, where she pours the waters of the great lakes into the Niagara river, its situation is simply sublime. Many of the leading florists of this country, and a few of others, will remember this majestic but quiet place of repose. The bar was in the basement.

On Sunday, the 10th, about 6:30 p. m., something, most likely spontaneous combustion, started a fire in the basement or cellar of Mr. S. Anderson's store. W. J. Palmer & Son's large store is next door. It only burnt a small hole in the floor, but terribly damaged the contents of the stores of both Messrs. Palmer and Anderson. We hear that losses on plants, flowers and fixtures have been amicably settled by the insurance companies, and if they got post-Easter prices on unsold stock, a little smoke is not an unmixed blessing.

No drummers this week, except Mott, and he has become almost a resident. W. S.

BOSTON.

Mass. Hort. Society.

At the weekly exhibition of the Mass. Hort. Society, John Mutch, gardener to J. E. Rothwell, was awarded a silver medal for Cypripedium niveum grandiflorum, a very handsome and extra large white flower of good substance. A first class certificate of merit was won by the same exhibitor for Cyp. T. W. Bond, a cross between C. Curtisii and C. hirsutissimum (a seedling sent out by Hugh Low & Co.), a flower of exquisite color and marking. J. E. Howard exhibited a fine seedling of Amaryllis vittata and was awarded a gratuity. H. A. Wheeler also received a gratuity for a finely grown and well flowered Crimson Rambler rose.

Trade Conditions.

Business is very quiet, but the calm after the storm was to be expected, and all will now have time to cast up their accounts.

Club Dinner.

Although late in the season,, the Florists' Club has decided to hold its annual dinner on May 3. The dinner will be served in Horticultural Hall. Tickets may be had from Mr. Chas. J. Dawson, the secretary.

Park Improvements.

Mr. J. A. Pettigrew, superintendent of the Boston park system, is very busy with a large force of men planting trees and shrubs and improving the old and new grounds. It is said that over 100,000 trees and shrubs will be planted this spring.

The Public Garden.

City Forester Doogue has been beautifying the Public Garden with hyacinths, tulips and narcissus that had been grown in pots. These, with the pansies and daisies, make a charming display.

A Summonsed Party.

On April 14 C. W. Hoitt, of Nashua,

N. H., entertained a select circle of friends, all more or less interested in horticulture, among whom may be noted many of the old guard of Boston and district. The invitation was in the form of a subpoena summons, and was by all reports well responded to. The Boston guests were met by their genial host and many other friends. An electric car had been chartered to convey the party to the many places of interest in the vicinity of the old township, which occupied about two hours, after which they were guided to a substantial repast, to which all did ample justice. The dining room was handsomely decorated with palms and cut flowers very effectively arranged. The summonses brought forth some able replies from many of the guests as well as several replies by letter.

New Greenhouses.

Mr. Oakes Ames, of North Easton (Carl Blomberg, gardener), is about commencing the erection of four more greenhouses, three entirely for growing orchids and one for palms. It is reported that Lord & Burnham have the contract. C. H. J.

PHILADELPHIA.

Easter Report.

Now that the smoke of battle has lifted, as writers who delight in metaphors would say, it is possible to see more clearly over the field. It seems that Easter business was better than last year; that the increase was chiefly in blooming plants; that cut flowers from out of town, especially carnations, were sent in too late on the Saturday before Easter. Many more carnations could have been profitably sold on Friday or early Saturday morning which had to be carried over until Easter Monday, because not received until the last moment. Satisfaction is general. Of course, some murmurs are heard. Mr. A. bought 'steen too many Crimson Ramblers and Mr. B. wishes he hadn't become so thoroughly convinced lilies would be scarce. But bless you, they'll come out all right in the end.

Prices fell on Easter Monday, roses about 25 per cent. and carnations 50 per cent. Last week's quotations are about as follows: Beauties, $1 to $4.50 a dozen, the quality excellent; Perles, $4; Meteors, $4 to $6; Brides and Maids, $4 to $6, a very few specials said to bring $8; Carnots, $4 to $6, a few $8 to $10; Brunners, $2 to $5 a dozen; the latter are mostly Anderson's, and while the price has remained the same as during Lent, the blooms are thought even better value for the money; carnations, $1.50 to $2, a few $3; violets are becoming rarer; valley, $3 to $4; Von Sion, $3; lilies, $8 to $10; adiantum, $1 to $1.50.

The weddings have used many flowers, but the warmer weather has so increased production that the market is heavy at times.

Plant trade is of course quiet.

Horticultural Meetings.

The Germantown Horticultural Society's meeting on Monday evening was rather slimly attended. President Edward Neville occupied the chair for the first time since his election and was warmly welcomed. The garden competition has not attracted much attention so far, but the plan will be tried probably on a small scale. Among the plants exhibited were a fine specimen Azalea Madame Van der Cruyssen and some small plants of Kalmia latifolia from Albert Woltemate.

My account of the spring show of the Pennsylvania Horticultural Society has been criticised. It is said that the paragraph conveys the impression that the show was a very fine one. I think the criticism is just. What was shown was of good quality but the show was very small. The florists cannot be expected to do much at this season. If a spring show is not well supported by the private places it can hardly be representative.

Expressions about Easter Business.

The Review desired expressions of opinion about Easter from prominent growers, wholesalers and retailers. It was impossible to ask more than a few, but the replies given may be fairly taken as a guide to the general feeling.

In each case a member of the firm or their foreman was asked:

"Did you have a good Easter?"

"Yes, sold everything," Wm. K. Harris.

"Could have sold two thousand more lilies," Robert Craig & Son.

"Not an Azalea left," Henry A. Dreer.

"First rate; never better," Robert Scott & Son.

"Cleared up pretty well," Samuel S. Pennock.

"Would have been even better had stock come in time." Edward Reid.

"What do you want to know for?" This Americanism from Albert Woltemate who afterwards added, "Better than last year."

"Very good," Edwin Lonsdale.

"Plants led cut flowers," William Bergen.

"Good," Pennock Bros.

"Really good, but room for improvement," Robert Crawford, Jr.

"Excellent," J. J. Habermehl & Sons.

"Good business," Smith & Whiteley. The full force of this can best be appreciated when it is remembered that though this firm seem to the casual observer to dispose of a good share of stock, the junior partner has heretofore always shaken his head mournfully and replied: "I don't know how things are with others, but with us they are very slow."

"Pretty fair," Stokes & Coeleur.

"Excellent," Charles H. Fox.

"First rate, though some stocks were unsold," George Craig.

"Very," David Cliffe.

Notes.

At the April meeting of the Gun Club George Anderson broke 25 targets straight at known angles.

Large quantities of exquisite arbutus are offered on the street. One of the fakirs was asked the price and said it was "ten cents a bunch in the morning." What do you suppose he meant? J. W. Y.

WASHINGTON.

Now that everyone has had a chance to look over his Easter trade it is the opinion of one and all that they did pretty well. All are satisfied with their efforts and there are no "if I had done so and so I would have, etc." Everyone seems to have had just enough to satisfy their trade, without having a surplus, or not enough. It was neatly planned.

The present week has been extremely quiet. Spring blossoms are appearing on the streets, such as cherry, peach and a few apple blossoms. Several of the stores are exhibiting some fine rhododendrons in pots, which are very showy.

The Commercial Florists extend their thanks to the Review for the able editorial of last week on the free distribution of flowers by the government. W. H. K.

THE WASHINGTON MEETING.

Editor Florists' Review: In reply to Mr. A. Gude, who, in his article in The Review of April 14, asks me to "stick to the truth," I would say I try to do so at all times, and he has known me long enough to know that I do.

I have nothing to change in the article I wrote concerning the meeting of the executive committee of the S. A. F. in Washington last month. Upon interviewing all who were approached by Mr. Gude, I find they agree with me that my statement was as they understood it. W. H. K.

PITTSBURG.

Business is keeping up well. A fair demand for cut flowers and the usual amount of funeral work allows no accumulation of surplus stock. Bulbous stock in this vicinity is about exhausted except lilies; this will have a tendency to increase the demand for roses and carnations.

Visitors last week were Messrs. W. F. Kasting, Buffalo, N. Y.; H. Zyp, of H. Zyp & Co., Uijgest, Holland.

At a recent visit to the greenhouse of Mr. Wm. Lauch, Carrick, Pa., your correspondent found everything in fine condition. "How was the Easter trade with you?" "Very good; better than ever." Mr. Lauch is one of the largest growers of carnations in western Pennsylvania.

The next meeting of the Pittsburg and Allegheny Florists' and Gardeners' Club will be held Monday night, April 25th. T. P. L.

WANT ADVERTISEMENTS.

SITUATION WANTED—An experienced florist (of 20 years) and wife wish a situation to run a flower store or work in greenhouses as makers up of florists' designs. Best of references. Man a total abstainer. G. Y. C., care Florists' Review.

SITUATION WANTED—By young man, in retail flower store, ten years' experience. Capable to take full charge. Address W. W., care of Florists' Review, 56 Pierce Building, New York City.

WANTED—Young florist for greenhouse work; steady place for the right man. Garfield Park Floral Co., 1688 West Madison Street, Chicago.

FOR SALE—A well established flower store in one of Chicago's busiest streets at a reasonable price. Address E. Kitzinger, 867 Milwaukee Ave., Chicago.

WANTED—Good young florist for store and greenhouse. Address H. N. Bruns, 690 W. Van Buren Street, Chicago.

WANTED TO RENT—Greenhouses in good working order, by experienced grower, or will run place on shares. Writing, give particulars. C. B. A., Florists' Review.

FOR SALE—At a bargain, 4,000 feet of glass, well stocked, with seven-room dwelling, barn and stable, everything in good repair, in a fast growing city of 40,000. A fine chance for a young man with push. For particulars address E., care of Florists' Review.

SITUATION WANTED—By experienced gardener: single, 25; in private place; understands care of greenhouses, fruits, everything in general; best of references; California preferred. Address P. Hanson, box 251, Mamaroneck, N. Y.

FOR SALE: 1 dwelling house, 2 greenhouses, 17 x 150 newly built: well located and good home trade, on st. car line and near a city of 300,000 population. For particulars address P. O., care Florists' Review.

SITUATION WANTED—By A1 grower of roses and other cut flowers and plants, as working foreman; has held similar positions in Chicago; best of references. Address E. C. care Florists' Review.

SITUATION WANTED—By a first-class florist; single, German, 36 years of age, with 20 years' experience in growing roses, carnations and general stock; can furnish best of references. H. C., care of Florists' Review.

SITUATION WANTED—By florist and gardener; good grower of roses, carnations, mums and general stock. Only those in need of a good man and are willing to pay fair wages need apply. Address K. K., Florists' Review.

FOR SALE—Six greenhouses, about 14,000 feet of glass; well stocked; wholesale and retail town of 4,000; no competition; less than 100 miles from Chicago; two railroads; good seed trade. For particulars address A, care Florists' Review.

WANTED—Two good greenhouse assistants; please give experience, references, etc.; wages, $9.00 per week. Address J. A. Peterson, 105 E. 4th St., Cincinnati, Ohio.

SITUATION WANTED—By a first-class grower of roses, carnations, violets, etc.; 12 years' experience and can furnish best of references. Address Practical care Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

WANTED—A working foreman, must be an A 1 rose grower, American preferred, but must be able to furnish the best of references. No fakes need apply. The plant is backed by wealth, therefore, will have none but the best. A good salary will be paid to the man who can prove his ability. In writing, send copies of recommendations and address. Address L. T., The Florists' Review.

WANTED—An industrious, energetic married man with no children. Man to work in rose and violet houses, wife as packer of cut flowers, etc. Wages, combined, $45.00 (forty-five dollars) per calendar month and two rooms free. None but those who have had experience need apply. Anchorage Rose Co., Anchorage, Ky. Chas. Rayner, Manager.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars or Estimates.

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PRIMULA SINENSIS FIMBRIATA,
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ENGLISH "GIANT EXHIBITION PRIZE" STRAIN.

A unique strain adapted for every purpose, but especially valuable for Florists. This seed has been saved by the most experienced grower in England. Every possible care has been used in the selection and harvesting; only flowers of good form and substance, produced by plants of robust constitution and faultless habit, have been used for this purpose.

ROSEA (Pink). Chiswick Red. COCCINEA SUPERBA (Crimson).
ALBA MAGNIFICA (White). COERULEA (beautiful Blue).
VILLAGE MAID (White, striped with Crimson). MIXED (all Colors.)

Price per packet, about 500 Seeds, of any of above varieties, $1.00. Half packets 50c each.

STUMPP & WALTER CO., SEED AND BULB GROWERS, 50 Barclay Street, - NEW YORK.

EXECUTOR'S SALE,
At the HAYES' ESTATE, "Oakmont," LEXINGTON, Mass.

Specimen and Ornamental Plants, Azaleas, Rhododendrons, Agaves, Palms, Dendrobiums, Rubbers, Ccelogynes, Orange Trees, Bay Trees, Sago Palms, large collection Japanese Plants, Hydrangeas, English Holly, Vases, etc.

This collection is well known and all the plants on the estate will be sold **Saturday, April 30, at 10 o'clock, a. m.** They will be arranged and numbered on and after April 26. The Furniture, Paintings, etc., will be sold **Friday, April 29. TERMS CASH.** A deposit required from purchasers. Trains leave Union Station, Boston, at 8:17 and 9:17 a. m.

EDWARD HATCH, Auctioneer, 22 Devonshire St., BOSTON.

SITUATION WANTED—By thoroughly practical all round gardener. Capable of taking entire charge of a gentleman's private place. Exceptional references as to character and ability. Address Gardener, care of Florists' Review, 105 Hudson Street, New York City.

SITUATION WANTED—By a competent florist and gardener, 14 years' experience in growing cut flowers, tropical plants, cyclamen, etc. Also a first class designer and decorator. Capable of taking charge of place of any extent. Age 30, single. R. S., care Florists' Review.

SITUATION WANTED—By first class rose and cut-flower grower who understands the business in all its branches and is thoroughly capable of taking full charge of large plant. Am employed at present but have good reasons for wishing to make a change. Unquestionable references. Add. 320, care Florists' Review.

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GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

J. E. FELTHOUSEN, Schenectady, N. Y.

CHICAGO.

The Market.

The usual after Easter conditions prevail. There is an abundance of all stock and prices rule very moderate, an occasional large lot selling at rates considerably below quotations. Still, up to date, there have been no serious gluts and the average of sales has been satisfactory for the season. Quite a number of belated lilies are seen and the demand is very light. Beauties range in price from 50 cents up to $3 a dozen, and tea roses from $2 to $5 per 100, according to quality. Carnations range from $1 up to $4 per 100, and occasionally a few extra fancy, such as Mrs. Bradt, go as high as $6, but the great bulk of the stock goes at rates near the lower quotation.

Club Meeting.

The private gardeners did not turn out very liberally at the last meeting of the Florists' Club. They missed an interesting paper by Mr. Edgar Sanders, entitled "Facts and Fancies of an Old-Time Gardener." Mr. Sanders began at the beginning, starting with the experiences of Adam as a gardener, but working quickly up to more recent times. He told many interesting anecdotes of the experiences of the old-time gardeners in this country, and concluded by calling upon Mr. John Reardon, gardener to M. A. Ryerson, who described the products and handling of the greenhouses under his charge. Mr. Reardon has been very successful with fruits and vegetables under glass, as well as with flowers and plants. Mr. P. N. Neiglick told many interesting bits of his experience when a private gardener in Europe.

The adjourned session was held in a new bowling alley, which is full regulation. Most of the boys are out of practice and the scores wouldn't look well in print.

Various Items.

Mr. Fred Heinl, of Terre Haute, Ind., is in the city.

Walter Heffron, has taken his new position with E. C. Amling.

James Hartshorne has returned from the east. The building of the new greenhouses at Joliet will begin in July.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The market has not at this writing recovered from the bad turn that seized it Wednesday last. Immense quantities of flowers, especially roses, have been put on sale, and while the greater part has been moved through legitimate channels, it has only been through the medium of very low prices. Saturday several large funerals helped to clean the market up in pretty good shape. Smilax continues scarce, violets are nearing the end of their season, as also are the common ferns; valley in only fair supply; Harrisii, so scarce at Easter, are now positively not wanted. Lilac of fine quality is arriving in quantity now.

We look for an improved condition of the flower market from now on. Prices will not be high, but we think stocks will be moved at fair figures.

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Pansy plants from cold frames and Smilax	1.00

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Emma Wocher	1.50	12.50
Meteor	1.50	12.50
Lizzie Gilbert	1.50	12.50
Harrison's White	1.50	12.50
Bridesmaid	1.50	12.50
Nivea	3.00	.....
Flora Hill	3.00	25.00
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GRAND RAPIDS, MICH.

Easter week opened raw, cold and uninviting, carrying a chill to the hearts of the craft, but Friday dawned mild and springlike, dispelling all dread of the wrapping of plants, incidental to cold weather. The volume of business was in excess of last year; the stores sold out close. Crabb & Hunter's special plant sale was a success. The greenhouse trade was more than satisfactory and presages a good spring trade.

As predicted, carnations were scarce and retailed for the highest price ever known at Easter, 50 to 75 cents per dozen. Roses were about equal to the demand; price $1.00 to $1.50 per dozen. Bulb stock was plentiful and materially helped out the cut flower sales. Tulips were 50 to 75 cents per dozen; narcissus, 60 to 75 cents; violets, 15 cents.

Most of the churches were elaborately decorated, using up cut and potted lilies, tulips and narcissus. The demand for potted plants is on the increase. Lilies are the most popular, and sold out close. Colored azaleas sold readily, while white were not in much demand. Genistas sell poorly and hydrangeas are on the decline.

The few lilacs offered by the stores found a ready sale. Tulips, hyacinths and narcissus in pans at 25 to 75 cents each sold out clean, and many more could have been disposed of. Cinerarias, although on the decline, still have a hold on popular favor. Very little attention is now given the once popular Calla, and it is grown in but limited quantities.

The demand for flowers the past week has dropped to the normal conditions prevailing previous to Easter week; business good, supply adequate, quality of carnations the best during the winter. Those benches of carnations which were off crop at Easter are now beginning to give an account of themselves, increasing the supply materially, and from now on to Decoration day will be plentiful. Roses are beginning to feel the effect of the warm weather and violets are poor.

The following prices prevail: Carnations, 25 to 50 cents per dozen; roses, 75 cents to $1; Harrisii and callas, $1.50; valley, 50 cents; violets, 15 cents.

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Brides	per 100	3.00—4.00
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Meteor	"	3.00—4.00
Perles	"	3.00—
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Asparagus	per string,	.60—
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Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—2.50
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Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
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Marguerites	per 100,	.25—
Mignonette	per 100,	.50—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans	per 100,	2.00—3.00
Valley	"	3.00—4.00
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Dutch Hyacinths	per doz.,	.60—
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Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

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Kaiserin	2½ "	3.50	30.00
President Carnot	2½ "	3.50	30.00

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3000 Beauties, 2½	5c
500 Meteors, 2½	3c
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1000 Golden Gate, 3	4c
1000 Maman Cochet, 3	5c
500 White Maman Cochet, 3	10c

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HORNELLSVILLE, N. Y.

The origin of many good things is a mystery. This is the case with W. A. Wettlin, who possesses a double petunia, which deserves wide recognition. It is a pure white flower, averaging 4½ inches across, highly scented and of a robust habit, very free, a grand florists' flower.

Commenting upon Easter business, Mr. Wettlin was highly gratified with results. Blooming plants of any kind sold well, particularly a fine batch of hybrid roses in pots. His grower, Carl Sackmann, was as a Meteor amid the Daybreaks, of which there were abundance just at the right moment, and Scotts by the hundred, but not a bloom left on Easter Sunday.

Amongst a general well grown stock I noted particularly some pretty plants of Rex begonias, including that exquisite variety, Lucy Closson; also a few perfect specimens of Polystichum setosum, which is a gem of the first water among ferns, when well grown, as are these plants. W. M.

PROVIDENCE, R. I.

Easter business was most satisfactory, is the unanimous verdict.

T. O'Connor was kept rushing for several days ahead with his big staff, watching the Easter stock, with the result that he had a splendid lot, both of flowering plants and cut bloom.

E. J. Johnston could have sold many more azaleas, the demand being unprecedented.

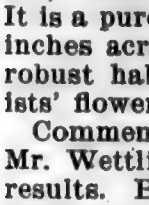
Geo. Johnson & Son were on hand with a fine lot of lilies, and I understand F. Macrae and W. Hazard were right in line with lilies and carnations.

M. Sweeney and W. Flanagan had a good run, both on plants and cut flowers, for church work.

W. Appleton, Jr., does a big business in this branch.

W. Butcher, who has been sick, was able to attend to the extra demand, and "Little Rhody" says all is O. K.

W. M.



DO YOU WANT TO SAVE 10%

Let us figure **now** on your list of Bulbs for Summer and Fall delivery.

Harrisii, Longiflorums, Roman Hyacinths, etc.

We offer **special** Latania Borbonica Seed, Per lb., 50c.; 5 lbs., $2.25, delivered. Areca Lutescens, 100, 75c.; 1000, $5.00, delivered.

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8,000	**DAHLIAS**, whole roots	40.00
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50,000	**SHRUBS**, ass't, large size	125.00 " 250.00
5,000	**BERBERRIS THUNBERGII**, 18-in.	50.00
10,000	**AMPELOPSIS VEITCHII**, pot grown	50.00
5,000	**CLEMATIS PANICULATA**	50.00 " 75.00
50,000	**SUGAR, NORWAY** and **SILVER** Maples, 8 to 14 ft.	
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3 to 6 feet long	$2.00	per 1,000
5 to 7 "	2.50	"
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Surplus Stock of Hydrangeas, Geraniums and Coleuses. Hydrangea Empress Eugenie, best pink market sort, fine stock, coming in bud, 6-inch pots at $35.00 per 100; 5-inch pots at $20.00 per 100; 4-inch pots at $10.00 per 100.

Geraniums, good pink market sorts, $6.00 per 100, 4-inch pots. Coleus Verschaffeltii, stock plants, $2.00 per 100.

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ELMIRA, N. Y.

While writing these notes I am inhaling the delightful fragrance from a bunch of Grove P. Rawson's famous violets gathered during my visit to his extensive plant, bearing evidence of the recent scrimmage consequent at Easter, which proved a most successful and satisfactory period all around.

Long ere dawn those exquisite Daybreaks and Scotts were distributed to help out those who had fallen by the way, and this happened to many carnationists. Roses helped to some extent, but even this fine stock took second place in demand.

Violets sold by the thousand, and while an exact count of the crop was not obtained the number was enormous. Notwithstanding the recent trying weather the yield is most pleasing, decreasing somewhat in size, but in color and fragrance fully equal to midwinter production; the plants are very healthy. I looked closely for a spotted leaf as I had a wager staked upon the result, but failed to find one and lost thereby.

The Fisher carnation is largely grown for summer use. It really is at its best now, but will continue to yield particularly when sash is taken off. I noted a grand house of Kaiserins in first crop for summer use. Of a batch of 20,000 geraniums double-pink Frances Perkins and Apple Blossom are pre-eminent. Peach Blossom is a single and should be in every collection. Sam Sloan is the favorite scarlet.

In looking over the cut in the subterranean refrigerator, my eye lit upon a mum, but it was not either Chadwick or Yellow Fellow. These will be manifest in due season and strongly, judging by the orders placed and inducements offered to compete for the premiums. Whoever wins the wheel should be envied; it's worth trying for.

Hoffman Bros. report a larger decorative demand at Easter than usual. They are equal to all emergencies, with capital stocks of both plants and cut flowers. The seed department is in full swing and the rush of planting fruits is a sure sign of spring. They possess a healthy stock of all that adorns the outside, and sweet to the palate.

Ed Hoffman is so rushed that h's trusty rifle has become rusty, so that in case of war some little preparation would be necessary; but with us he does not believe his assistance will be required just now anyhow. Wait until the dull season before acting. W. M.

WILLIAMSPORT, PA.—Good stocks and abundant to fill the big stock of orders, is Evenden Bros.' report of Easter business. There is a "ring" of satisfaction in such a tone.

SUNBURY, PA.—C. E. Rossiter reports a good Easter. His stocks, particularly roses and carnations, were in excellent shape.

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Referring to his experience, Mr. W. N. Craig, Taunton, Mass., says: "We have tried ferns, pandanus, crotons, dracaenas, cypripediums and some other plants in pure Jadoo, and all are doing finely. For seed growing when finely sifted, it is admirable; the seeds germinate more quickly than in ordinary composts, there is no trouble with green scum or weeds, and far less danger of the soil becoming dry. We have noticed disparaging remarks on Jadoo from some growers who have used it, but our experience runs in an entirely opposite direction."

Wm. Robertson, gardener to J. W. Pepper, Jenkintown, Pa., says: "Of course, Jadoo is a new thing, and I had to learn how to use it to get good results. I would say that strong feeders after having been in Jadoo for some time require an application of Jadoo Liquid occasionally to restore plant food used up. In some cases I use pure Jadoo, and in others I mix loam with it. If those that use Jadoo want the best results attainable with any compost, my advice to them is to pack the material as firmly as possible about the roots, and use good judgment in watering so as not to overdo it."

Alex. McLellan, the well known gardener of Newport, R. I., writes: "I believe Jadoo is of great value, if used intelligently. Among the plants that I have found to do well in it are those having fleshy roots, such as alpinias, hedychiums, cannas, anthuriums, and among the ferns the nephrolepis do well. Adiantums I find do well in a compost composed of two parts fibrous loam to one part of Jadoo. In fact, that will answer for most stove and greenhouse plants. In preparing the Jadoo it should be rubbed through a sieve of one-half inch mesh, so that it may be thoroughly incorporated with the soil. A batch of dracaenas (cordylines), potted off about the first of October, 1897, one-half of the plants in ordinary potting soil which had been composted with cow manure and bone meal, the other half into Jadoo Fibre, using half a size smaller pots, both lots having been stood side by side and watered only with clear water, today, April 6th, it is found that those grown in Jadoo Fibre are not only larger, but of a better color, with a further advantage of being in a smaller pot, which is a great advantage when small vases are to be filled."

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in 6-inch pots which needs room. They are very strong plants that should be spaced, but we are crowded for room and cannot give them the space that they require. In order to work off a block of them quickly, we offer them for the next week or ten days at a special price. They are now coming into bud, and should give from two to three flowers each. They will make first-class plants for spring sales or Decoration Day. If we could give them sufficient room, they would be worth $6.00 per dozen next month, but as we are crowded for space, we offer them for immediate shipment at only.... **$3.00 Per Dozen.** **They are a BARGAIN AT THIS PRICE.** If you can use any Hydrangeas, now is the time to buy them. Speak quickly if you want them. We have a large stock of larger sized plants, assorted sizes, which we will be glad to quote on application.

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Cuttings, large and well rooted, free from mealy bug. Express prepaid on lots of 500.

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3	Plants,	6-inch	Pot,	24 to 32	inches	high, very bushy,	each	$1.00
3	"	7-inch	"	32 to 36	"	" " " "		1.50
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All Measurements from Top of Pot.

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ERIE, PA.

One of the best selling plants at Easter was Bougainvillea Sanderiana. Henry A. Niemeyer had a fine lot of this pretty plant and sold entirely out; other stocks sold well. He has a house of pot grown maidenhair ferns in 4 and 5 inch pots that are hard to beat; expects to dispose of the majority with a capital batch of spiraeas at Decoration day.

Roses and carnations are in excellent trim. The new kinds, Snow Queen, Rob Roy and Uncle Sam, are doing nobly, the latter needing a few stars to complete "Old Glory" represented in the divine flower. I think all should try a few plants of each of these varieties.

Two houses, 22x100 and 22x125, respectively, have recently been added, composing a substantial and most convenient range of glass. A large decorative business is done, two big houses alone being devoted to plants for this branch.

I expected to find Henry Tong at Ashtabula, where he recently purchased a plant consisting of four houses, each 20x165 feet, in addition to several acres of land. He intends to grow a general stock and cater to local retail patronage. Hitherto smilax has been the sole crop. He will continue the management of the Massasauga gardens here, where he has raised such excellent stocks, especially grapes, notably the variety Madresfield Court Muscat.

I noted a capital thing in a batch of sweet peas grown in pans, with say four stakes on the outer edge and occasional bands of twine (Friend Scott would suggest raffiia). These are about three feet tall, stocky, just showing buds in abundance, and will be sold upon the market at doubtless a popular figure.

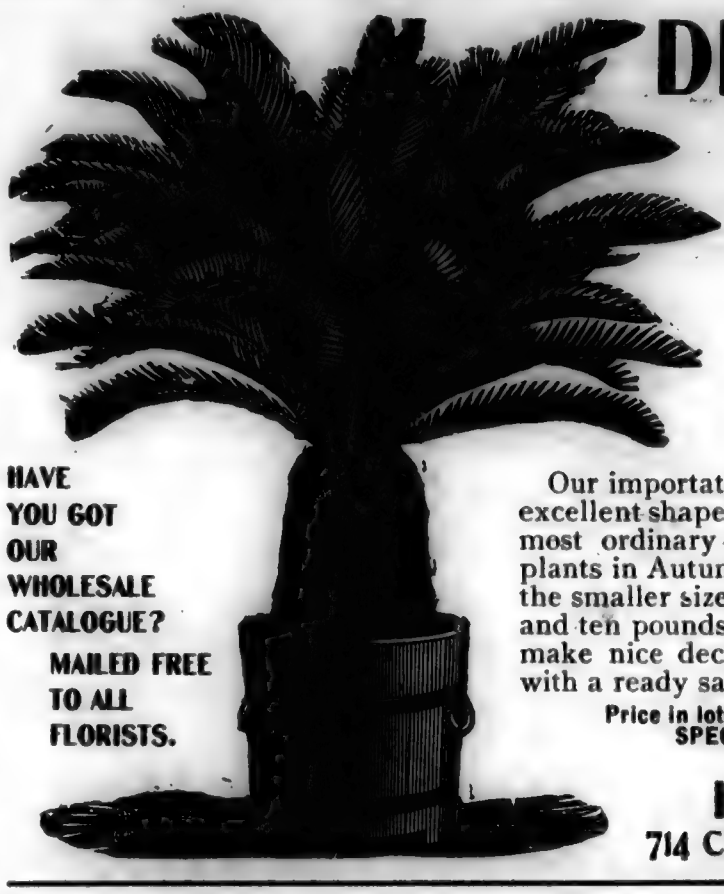
Mr. Tong's pet carnation, named Lizzie Tong, is a beauty, much superior to Mrs. Bradt, being freer and more delicately marked, with the sweetest clove scent; a continuous bloomer, not a cropper, undoubtedly the finest fancy of its class upon the market today. W. M.

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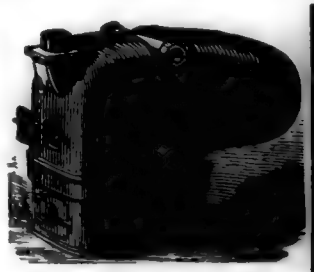
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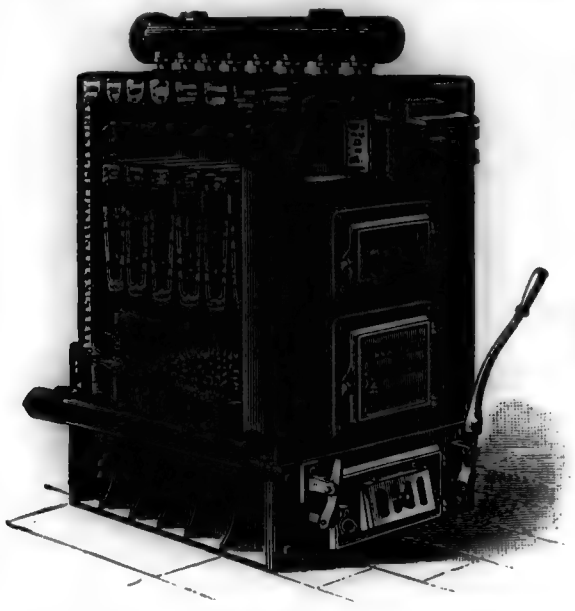
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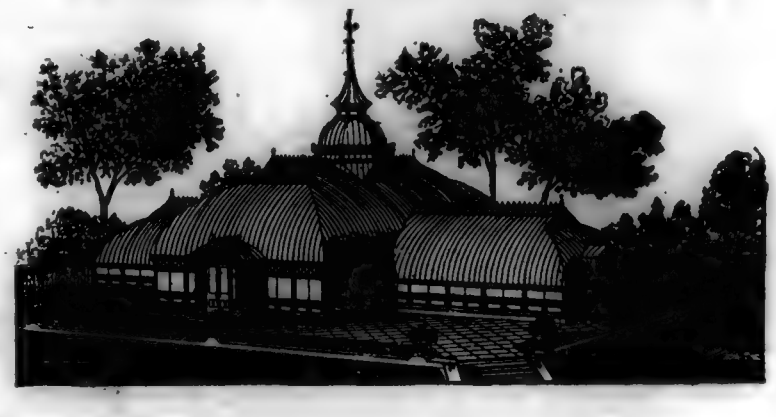
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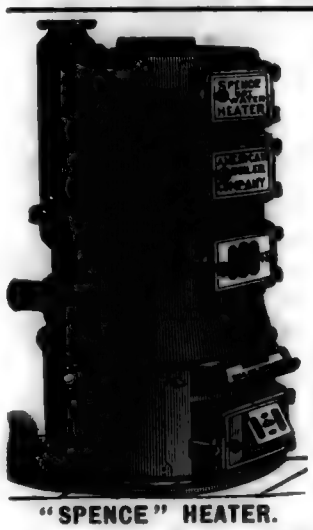
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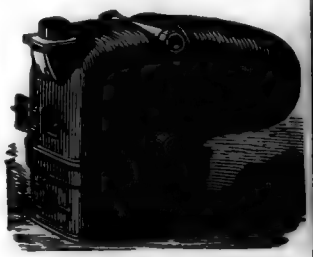
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THE WEEKLY
FLORISTS' REVIEW

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Vol. 1. CHICAGO AND NEW YORK, APRIL 28, 1898. No. 22.



Easter Basket of Lilies, Azaleas, Hyacinths and Ferns.
Arranged by Mr. E. Wienhoeber, Chicago.

SPRING BLOOMING PERENNIALS.

The past winter has been remarkable for its mildness; not one of the many species of perennials, even those of a rather tender constitution, have suffered in the least, neither from frost nor by too much moisture, and everything has started vigorously quite early in March, much earlier, in fact, than they are accustomed to show any signs of growth in this latitude. At the end of March we very seldom can boast of having anything in bloom in our borders, excepting perhaps the little scillas, snowdrops, puschkinias, chionodoxas, crocus and other bulbous plants, but hardly any of the real so-called herbaceous plants show any inclination to flower until well along in April.

This season, however, was an exception and a surprise to many of us. The English primroses and their hybrids were out in full flower on the 20th of March. Aubrietias were then quite well advanced, with many of their little flowers fully opened out. Arabis albida was also beginning to look gay and bright, and the rarer A. rosea was well studded with its numerous rosy lilac flowerheads. Megaseas made a decided show with their bright pink spikes, rising from among the well preserved, shiny, large leathery leaves. The charming, free blooming hepaticas were ready to burst open with hundreds of their variously colored buds, the large flowering single white being about the very earliest one among them. Erythroniums in several colors were well developed and are perfect as ever today (April 19).

The first week of this month brought on several days and nights of severe hard frosts. We feared serious and permanent injury to such things as were well advanced, but no great amount of damage can be noticed on any of these plants now; though for a few days some of them were drooping and looked as if they never would put up their heads again, all look today as bright and cheery as ever before, covered with a profusion of flowers and with perfect, unharmed foliage.

Other spring flowers have come out since, such as the yellow calthas, the whole of the phloxes of the subulata section, and P. amoena, a great many

varieties of primulas, the pretty Iris pumila, nearly all the violets. Anemonella thalictroides is well set with pure white anemone-like flowers. It is decidedly ornamental, planted in clusters left undisturbed for a number of years, the same as the hepaticas. Sanguinaria is out in great shape, Alyssum saxatile compactum is a perfect sheet of gold, and Doronicum causasicum and D. austriacum have opened many of their yellow flowers within the last week, the former a few days ahead of the other. Pulmonarias are at their very best, and will retain their present appearance until a few successive real hot days may spoil their beauty. Mertensia virginica is a great attraction when planted in good-sized clumps or patches. The peculiar luster in the blue flowers nas a magnificent effect in the border, near or among the snowy dwarf phloxes. Waldsteinias have sent up many of their flower stems among the softly tinted young foliage, opening their yellow, bright flowers quite freely within the last few days, and the dwarf light blue Polemonium reptans is fast approaching full development.

A large number of other spring blooming, hardy plants are in bud and will be out in a week or so, two to three weeks ahead of an ordinary season, perhaps, but not lacking in their usual vigor or freedom of bloom. Our borders will therefore presumably present a gayer appearance during the month of May than we might generally expect at that time. The early bloomers will be there, in addition to the later flowering species, and combined they are sure of creating grand effects.

Spring flowers in the garden are more highly appreciated because our beds were for months without color. We welcome the opening of the first little, modest snowdrop with far more enthusiasm than we do the first appearance of the beautiful rose in June, when flowers of many kinds are not at all scarce. We wait eagerly for the opening of the comparatively insignificant little blossoms of the Tiarella cordifolia, while later on the stately, large clusters of bright colored phloxes receive but a passing notice.

A special place for these early spring flowers might be provided in many city gardens; under the shelter of a fence or building would be a good situation. It can be arranged with but a small outlay, and the pleasure derived from such a little border or bed will undoubtedly be far greater to a majority of flower lovers than the most gorgeous display in a large bed of summer blooming bedding plants could afford them. Moreover, there is no difficulty in the care of these hardy things; they may be left alone for some years without dividing or replanting, and when they do need this, we do not sacrifice next spring's display when we perform the operation soon after their flowering period is over.

It is surprising how few people think of preparing a corner for hardy early spring flowers; most of them are contented with the regulation bed of tulips or hyacinths, which in turn and due time are replaced by bedding plants for summer and early fall blooming. Along the fences they usually have a border planted with flowering shrubs, between and in front of these would be an ideal place for the



Acacia Drummondii, trimmed with yellow ribbon. By Stumpp, New York.

dwarf early spring flowers, but until very lately we seldom could induce people to try the experiment. For the last few years, however, a demand, though limited as yet, has sprung up for such early hardy things which are suitable for planting in front of medium sized shrubs, proving to some extent that their introduction has, in a majority of cases, been entirely satisfactory and is appreciated by neighbors and visitors who were given opportunity to view such plantings while in bloom.

Undoubtedly this existing demand will from now on grow more rapidly. Every indication points in that direction, and it is well if our florists or growers are prepared to furnish a full line of at least the most desirable hardy perennials, if not a more complete collection, which not everybody can afford to plant and keep up in proper shape and condition.

J. B. KELLER.

VIOLET NOTES.

In this section this week (Saturday, 23rd inst.) has been so damp and cold, and, in fact, has rained off and on, that we have been unable to do anything to our violet ground towards making it ready to put out the plants. We like to get out our violets fairly early, as we usually have a dry period in May, and if we can get them out in sufficient time to have them take hold before that comes, it is much easier to care for them, and there are not so many vacancies, owing to their dying off.

The one great trouble in getting them out early is the fact that too often the ground is too damp to work to advantage. I would prefer to put out the plants late than have the soil worked when in too wet a condition. We use a Planet Junior hand cultivator, as we prefer it for several reasons. More plants can be grown on a given piece of ground, as one can plant closely, and then, too, a hand cultivator is too large, taking up too much space, and not admitting of close work, with consequently increased trowel work.

The distance apart to plant must be regulated more or less by your cultivator. We plant about twelve inches apart in the rows and from four to six rows, the same distance apart, leaving a space of two rows. We like to plant as deeply as possibly, at the same time keeping the crown well above the soil, so that there is no danger of its being buried by heavy showers.

Of course, these articles are needlessly explicit for old violet growers, but they are not intended for their special edification, except inasmuch as they show how our methods may vary in attaining the same results in different localities and with different soils, etc. They are especially intended to help those who have paid no particular attention to their culture in the past, and those who have a small house in connection with their other houses.

Another point about which we are particular is to immediately firm the soil with the toe when planting, throwing a little loose dirt over this with the trowel. If the violets have been pricked out in flats, we have one person who loosens them, cleans off any superfluous leaves, leaving only about two developed leaves and any signs of runners that may begin to start. Do not allow many to be trimmed in advance, or the sun to shine on the roots, or the wind to blow on them, as it only takes a short time to seriously injure them in this way.

R. E. SHUPHELT.

IT WILL BE to your advantage to mention The Florists' Review every time you write an advertiser.

CARNATIONS

VARIOUS QUESTIONS.

1. Will you please explain just how to wire a carnation bed 110 feet long and 17 feet wide with your overhead system? What supports do you have at the ends, sides, and in the bed? Do you run wire between each row of plants, and how far from soil, and will that keep them off the ground? Also, the kind of wire and what it costs?

2. In growing the finest grades of carnations, what fertilizer would you prefer if you had your choice of cow or horse manure?

3. What is the best shading material to put on the glass for summer that will come off without trouble in the fall? X. Y. Z.

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1. In regard to wiring the above carnation bed, this question is rather a surprise to me, for I never heard of beds 17 feet wide, unless a solid bed, and the plants planted in beds with walks between. But it is probable that he means 7 feet wide. Being uncertain as to this, I will explain how we wire our raised benches, and leave it to X. Y. Z. how he can best adapt it to his purpose.

I infer from the way the questions are asked that X. Y. Z. has no clear idea of the principles of our system. These overhead wires, with the corresponding twine netting, are not for the purpose of keeping the plants off the ground, but are only a support for the flower stems.

To keep the plants off the ground, we use the A shaped wire netting between the rows across the bench. This wire netting, when bent in shape, is six inches high. Five or six inches above the netting, according to short or long stemmed varieties, we stretch the wire lengthwise, fastened on a firm support on each end of the bench.

This support is constructed of three-quarter or one-inch pipes set in the ground and fastened to the bench with clamps. We generally use two tiers of these wires, the second six or eight inches above the first, and construct these supports with two crosspieces at the desired distance, one above the other. We stretch the wires eight inches apart, irrespective of the number of plants in a row, as they are merely for the support of the flower stem. Every fifteen or twenty feet light wooden supports are placed under the wires, to hold them up to the desired height, and the wires fastened to them with double pointed glazier's tacks. Between these wooden supports we use a very light piece of lath, only strong enough to hold the wires at the regular distance apart, to prevent their drawing together when the twine netting is put on. These laths are notched at the end to hold the two outer wires and the others are fastened to same with a glazier's tack.

For the twine netting we use the common cotton twine, running diagonally across, and recross the bench until the other end of the bench is reached. The twine is run six inches apart, and fastened to each wire by winding it around once, and on the outer wires where the turn is made twice, so when completed the whole forms a netting of diamond-shaped squares, with ample space for the flower shoots to grow through them.

The A-shaped wire netting is six inches high, and six inches above this, or one foot from the ground, are the wires stretched lengthwise, and six or eight inches above them a second tier, if desired. At our place we find a second tier necessary. The wire used is No. 15 and will probably cost for a bench 110x7 feet 60 cents—20 pounds, at 3 cents per pound, for one tier.

2. In the preparation of soil for the benches, we prefer cow manure, but well decomposed. For liquid manure we invariably use fresh cow manure. In field culture on heavy soils, horse manure has the preference; in sandy soils, cow manure. Generally, horse manure is stronger and much quicker to act, but is very liable to burn when not attended to, and its most nutritious elements are lost. Otherwise, when attended to during the time of decomposition, to prevent its burning it is equal, if not better, than cow manure.

3. In regard to shading, I refer X. Y. Z. to my last notes in an answer to R. W. This shading prepared of white lead and coal oil is probably not so easily removed as a lime wash, but it can be removed with little trouble after a whole summer's exposure, and the early frosts will aid greatly in accomplishing this work.

FRED DORNER.



Rhododendron trimmed with Asparagus Sprengerii and Ribbon. By Stumpp, New York.

THRINAX PALMS.

Editor Florists' Review: In your issue of April 14, page 813, Mr. Taplin writes about Thrinax parviflora as a useful florist's palm. We wish to confirm his remarks about it as being handsome and useful and state that

it grows taller than he supposes, averaging 15 to 20 feet in full-grown trees here in Florida, where it is native.

It is extremely graceful, having slender, bending stems and shining leaves of particularly neat appearance, but it is so very slow in growth that many are discouraged with it. We have grown it for several years, and sent it out to hundreds of customers, and find that the larger ones give satisfaction. Ten-year-old specimens are in 4-inch pots, and even with frequent change of soil and every advantage in heat and situation, make but trifling growth. This species grows very abundantly on the lower Florida keys and forms dense groves near the beaches.

There are also two other species, the T. argentea and T. excelsa, which are just as common in the same region. The argentea is the smaller of these two sorts and has more elegant leaves, richly covered on the under side with a thick, silvery coat. The excelsa is much larger than either parviflora or argentea, having a trunk four to six inches thick and reaching a height of 25 feet. All sorts are of extremely slow growth. There are miles of narrow, sandy beaches backed with these various Thrinax palms, forming beautiful views, rising up from dark blue water, views which the average American never even dreamed of as belonging to our own "fair Florida."

In this connection I wish to state that the following palms are all native to Florida: Sabal palmetto, S. Adansonii, Serenoa serrulata, Chamaerops hystrix, Pseudophoenix Sargentii, Oreodoxa regia, Thrinax parviflora, T. excelsa, T. argentea, T. Garberi, Cocos nucifera, an unnamed slender palm we have found in the Everglades, and possibly one more species of thrinax, making thirteen well-defined species, contained under at least eight genera.

E. N. REASONER.

Oneco, Fla.

MISCELLANEOUS SEASONABLE HINTS.

Advising Customers.

There is often a great misunderstanding with your uninformed customers about when to plant out many of their summer flowering plants, many of them leaving the planting of "their flowers" until the end of May. It is your duty to educate and cultivate knowledge among those who by neglect of their education do not know the gardening art as you who are to the manor born. I am a little late even now on some things, but a reminder for those who have been negligent even if it benefits only one will be of service.

Hardy Plants.

As soon as the ground is dry you should plant gladiolus. If you grow them in a small way, 6 inches apart in the rows and the rows 1 foot apart will do very well, planting in drills 4 inches deep. If you grow them in large quantities and have to cultivate between rows with a horse, then throw out a shallow drill 2 feet apart and 6 inches deep and cover the bulbs with a hoe. The gladiolus does not make much growth till warm weather begins, and if you live in a latitude where frost is likely to appear at the end of September, you may as well plant them all now, for there will be plenty of stragglers continue flowering till frost comes. If you do not get frost till early in November, then you can reserve your last planting till the first of June.

Hollyhocks should be planted now or before. Don't say these majestic plants cannot be grown here, for they can. Our experience is they delight in a heavy soil, with a large quantity of animal manure. Two years ago we had a lot, and of course nobody wanted them. This year there is quite a call for them, and of course we are without them, and it is something you cannot buy. It is entirely out of season for me to tell you now how to have them, but they should be sown in August or September and wintered over in cold frames. Even with pansies the great majority of people do not ask for them till we have hot weather, when the pansy, like all the viola family, prefers to make leaves and not flowers. Tell your customers now is the time to buy and plant pansies. Pansies should now be in full bloom, and May is the month to enjoy them.

Herbaceous plants should, of course, be divided several weeks ago, but still not too late. Your customers will ask you for Ampelopsis Veitchii, which is so overdone in some cities. You should have dormant plants and plant at once. Never mind how small they are if they have two or three live eyes and good roots they are better than plants with 3 feet of vine, for all the growth begins at the bottom.

Carnations.

With all due deference for that most worthy of men from the Hoosier state, allow me to say, without any divergence from his most excellent advice, which I believe is given with as much candor and sincerity as my own, that I advised in the autumn that you "strike" a few thousand cuttings of the leading varieties of carnations. I said Daybreak, Portia, Scott and Alaska was a good selection (although these are by no means the pick of the flock today), and get them into 3-inch pots by the first of March. Whether you have them in that size or not is not of great consequence, only plant out a thousand or more, and plant them in one bed. You can pinch them once and then let them flower. By August they will be in flower and what a blessing to you, and will pay for disbudding just as much as those grown inside. The latter end of July and all through August and September and even October is when there is a great scarcity of carnations. Why I said plant them all together is because let it be a bed of a thousand given over to flower and not at all interfering with your plants that you want to lift for winter flowering.

Spiraea Astilboides.

A friend from Wisconsin wishes me to impart my knowledge of how to keep this plant in order so it can be forced another year, or what to do with it. It is so absurdly cheap nowadays that the very best answer to these inquiries is, "throw it away." More than forty years ago I can remember that Spiraea japonica (it had no alias in those days) was grown from year to year in the same pot and flowered profusely, but can you afford to water a plant all summer and store it away in a frame till forcing time for 5 cents? If so, your time is not worth much, and then it would not be half so good as a freshly imported plant. The spiraea is one of the most hardy plants of which we know, and if room permits can be planted out. It makes a very acceptable hardy border plant and flowers in June.

WM. SCOTT.

INSECTIVOROUS PLANTS.

Plants that obtain their nitrogenous food from insects were the subject of an exhaustive talk by Mr. A. Herrington at the last meeting of the Morris County Gardeners' and Florists' Club at Madison, N. J. He described in great detail the different means by which the several families of this class of plants achieve the same object, illustrating his remarks with specimens and large drawings. The droseras or "Sun Dews," a genus almost world-



Group of Sarracenias.

wide in its distribution and showing much variation of form and habit, were all uniform as to their methods of capture. The little tentacles or hair-like appendages of the leaves secreted a viscid matter, and any little fly or insect that happened to alight thereon was assuredly stuck and its doom sealed.

The independent and collective movements were explained whereby the capture was conveyed to the center of the leaf and there bathed in a fluid of a nature analogous to that of the digestive fluids in the stomachs of animals. In proof of this, he cited and related some of Darwin's extensive experiments, showing that not only the soft bodies of small insects, but meat and cartilage could be digested, and all the animal matter extracted from bone, so that only its mineral constituents remained, which crumbled to dust when touched. Darwin actually arrested the process of digestion upon some leaves with which he was experimenting by adding a grain of carbonate of soda to the secretions of the leaf glands. The carbonate of soda was then neutralized by hydrochloric acid and the digestive process recommenced.

Venus' Fly Trap (Dionea muscipula), a native of North Carolina, was next described — a veritable plant marvel that closed its leaves with electric rapidity, as its leaf surfaces were dry, with no secretions to assist in catching. Only after the insect was entrapped did secretion begin. Then the leaf glands poured out the essential fluid to ensure digestion of the captured food. The nepenthes, sarracenias and darlingtonias, with their quaint and capacious pitchers, were catching insects in different ways, but with the one set purpose, whilst yet other methods of capture, as seen in utricularias, pinguiculas and aldrovandas were briefly described.

Of extreme interest botanically, there was also a commercial aspect that might appeal to some of those present, for not a few of these plants were highly ornamental. Large collections of nepenthes were maintained in European gardens, but nearer home there was much available material in the sarracenias of the eastern states and the darlingtonias of the west. These plants were beautiful as well as singular; they could be easily and cheaply collected in large quantities, and should find a ready sale if put upon the market in an attractive manner as nice, well-grown plants in pots, or, better still, broad, shallow pans.

A BACTERIAL FERTILIZER.

Under the name of "alinit" a new manure has been recently introduced. The discoverer of this material is Herr Caron, of Ellenbach; and alinit in its present form is the outcome of four years' experimental investigations on the bacterial flora of different soils, resulting in the isolation of a particular bacillus, upon the presence of which would appear to depend to an important extent the fertility of certain soils. Caron has, according to Nature, already obtained striking results on an experimental scale with crops from soil treated with pure cultures of this bacillus—Ellenbachensis alpha, as he has called it. Alinit is sent out as a creamy-yellow powder, of which the nitrogenous constituents have been ascertained to be 2.5 per cent. Its closer investigation has been made the subject of memoirs by Stoklasa, of Prague, and also Messrs. Stutzer and Hartleb. The bacillus is contained in this powder in the form of spores, and on cultivation is found to belong to the well-known aerobic group of bacteria known as the hay bacilli, resembling very closely the Bacillus mycoides so frequently found in soil, and the Bacillus megatherium. It appears to grow easily upon all the usual culture media. Before its precise place amongst bacterial fertilizers can be determined, many more elaborate and carefully conducted experiments must be carried out.—Gardeners' Magazine.

EFFECT OF SOILS ON COLOR.

We are familiar with the effects of different soils and chemicals on the color of flowers of Hydrangea hortensis. Through the insertion of iron nails, iron rust, steel filings, common alum, green vitriol, into the pots or root-runs of hydrangea, the colors of the flowers are more or less changed from purple to blue. It was never, however, made very obvious why solutions of common alum favored the change to blue more than sulphates or salts of iron. At the last meeting of the Botanical Society in Edinburgh, Dr. Aitken read an interesting paper on the color of flowers as affected by the character of the soil in which they grow. After referring to the generally known fact in relation to the hydrangea, Dr. Aitken quoted Mr. Barr, the greatest of our daffodil growers, as testifying to having noticed that daffodils possessed a much deeper tint when grown on some soils than when grown on others. It has also been noticed by other cultivators that on some peats hydrangeas come blue without either alum or salts of iron, and that daffodils and other bulbs are considerably modified in color. Mr. Barr had sent three samples of soil to Dr. Aitken, who analyzed them, and exhibited

the results of his analysis. The palest daffodils, having a sulphur-yellow color, were grown on the poorest soil, and the deepest colored were grown on the richest of the three soils, but it did not appear that the differences of color were due to the abundance or otherwise of any one constituent of the soil.—Gardeners' Chronicle.



Lilies, Heath, Azaleas and Hydrangeas in basket, trimmed with white ribbon. By J. H. Small & Sons, New York.

PHILADELPHIA.

Supply and Demand.

The Easter season of festivities is practically over; the market for cut flowers has consequently fallen away, and prices are much lower than one week ago. The quantity of stock is enormous; much of it remains unsold. It is unlikely that conditions will improve for the next six weeks, until the final busy days in June, when any really good stock usually finds ready sale. To have it really good then is the rub.

Fine Beauties are more plentiful, probably, than ever before. The best are extra fine, and are quoted at $4 to $5 a dozen. One can, however, by jingling two shiny half dollars together, get a dozen pretty good blooms every now and then. Brides and Maids, when nice, bring $3 to $4, occasionally more; Meteors about the same; carnations, $1 to $1.50; sweet peas 50 cents to $1.50; valley, $3 to $4; mignonette, $1 to $2, generally small; pansies, 2½ cents a bunch of about a dozen blooms. Von Sion in small quantities is coming in from out-doors and brings $2 and $3; Emperor, $4. Arbutus is plentiful and has fallen in price.

Quite a lot of palms were sold during the past week. The growers are busy getting their stock in shape for summer growth.

Penn. Hort. Society.

The Pennsylvania Horticulural Society meeting was held on Tuesday evening. The Dreer prize for pansies went to Wm. Robertson, gardener to J. W. Pepper, of Jenkintown. The Michell prize, for hyacinths, was awarded to Jno. McCleary, gardener to Wm. Weightman, of Germantown; second, to Jos. Hurley, gardener to Jas. M. Rhodes, of Merion. There were also exhibits of vegetables. H. T. Clinkaberry, gardener to C. G. Roebling, of Trenton, N. J., showed a new hybrid laelia, which received a silver medal, and a certificate of merit for Laelia elegans was awarded to Alphonse Perical, gardener to Mrs. Geo. B. Wilson, of West Philadelphia.

Notes.

The Florists' Club team has made a great record in the Bowlers' League, and now has a chance for first place.

The club is to have a benefit at the Walnut Street Theater next month. The play is "The Telephone Girl." There is also to be a shad dinner at Wissinoming in May, with other festivities besides to fill out the day.

It is not true that any of the commission houses are to become bureaus of immigration.

H. C. Faust is sending in some well flowered yellow daisies.

M. B. Bunker, of Boston, and William Edgar, of Waverly, Mass., were in town last week.

The growers of bedding plants are very busy getting everything in shape for the fateful May 10.

A rose grower came home a bit discouraged from his morning in town. His foreman urged him to see the proprietor of a certain store he had passed one evening and noticed an unusually fine display of Jacks and Brunners. The rose grower went to the spot indicated and found everything as described, excepting in one important particular—the roses in that window were the kind that don't fade!

J. W. Y.

A VISIT TO THOMAS CARTLEDGE.

Come with me in fancy, this bright Sunday afternoon, the third in April, out over the wondrously straight line of the Pennsylvania to Holmesburg Junction. There waits a solitary trolley which plies back and forth between the railroad and the Bristol pike, where the Frankford trolley line runs still further out of town, passing Academy road.

At the corner of this road and the pike, on one side of the street, is the old Brown estate; on the other is the property of ex-Senator Porter; on the right and on the left a picturesque, old-fashioned house with tall pillars and broad veranda; a pretty stretch of lawn in front, with trees just showing signs of life, and seated on the porch a family party. One of the group rises and comes forward to the gate. It is Thomas Cartledge, the man who has brought the firm of Pennock Bros. to their present high position, and better still, has won the respect and admiration of all who know him, by his uprightness and kindliness.



Azalea trimmed with ribbon, covered with Nun's Veiling. By Stumpp, New York.

Mr. Cartledge had a number of visitors this sunny afternoon. He chatted about the unusually pleasant month just passed (there was but little of the lion about this March), about the old Macalester place recently bought by Mr. Porter, who is erecting



Prize-winning group of Ferns at New Orleans. All grown in Jadoo Fibre or watered with Jadoo Liquid.

a costly wall thereon; about the high standard of The Review, and about his son's hunting dogs, so pleasantly that the time slipped quickly away. Good-by was said with the fervent hope that the warm spring weather will bring back health and strength to Mr. Cartledge, in which wish all his friends will join. J. W. Y.

PRIZE-WINNING FERNS.

The accompanying engraving is from a photograph of the prize-winning group of twelve ferns in twelve varieties exhibited by Mr. Harry Papworth, gardener to Mrs. T. G. Richardson, at the recent spring show of the New Orleans Horticultural Society. Referring to the group, Mr. Papworth writes:

"The large plant in the center is Nephrolepis davallioides furcans. The largest adiantum is A. fragrantissimum (on the right). On the left is a fine specimen of Dennstaedtia davallioides Youngii. This is the finest plant of the twelve, but did not photograph well. All these plants were grown in Jadoo Fibre. The small plant in front is Adiantum Farleyense grown in soil and watered with Jadoo Liquid. This is really a fine plant, though it appears small by comparison with the others. On the ground is a specimen of Davallia bullata. The plants on the other side of the group are A. Bausei, A. Fergusonii, and A. cuneatum elegans. On the right is a plant of Asparagus Sprengerii in a hanging basket. This was grown in Jadoo Fibre and won first prize.

WHEN you write an advertiser, always state that you saw the adv. in The Florists' Review.

ROCHESTER, N. Y.

Condition of Trade.

Weddings, receptions and various social events created a lively demand for flowers during the week, but the supply has been over plenty and prices have dropped to a much lower point. Roses, which a week ago brought readily $12 per 100, were sold at $3 and $4.00, and plenty of the poorer grades would not bring more than $2.00, retailing at all prices. In some stores, cards were up, declaring war in roses; good quality was offered there at 50 cents per dozen, while the inferior article was still below that figure.

Bulbous stuff is very cheap and slow to sell, loads of it coming in daily. Carnations also are decidedly abundant. Violets are about over in our neighborhood, excepting the old double English, which is in its prime at present and brings from 50 to 60 cents per 100. Sweet peas are excellent and quite plentiful, but they also have declined in price; 60 cents is considered the highest figure for the best quality. Lilium longiflorum are still bringing $10 to $12 and are not overdone. Smilax, though rather scarce, is quoted at $12 to $15 and asparagus never fails to bring 50 to 60 cents per string; not much of it is grown in this vicinity.

Notes.

Quite a number of flowering plants, which were left over from last week, have been used up in the various decorations or were otherwise disposed of. The display in the store windows gives evidence that there is still a good supply in all classes on hand, but prospects are that the coming week may materially assist in cleaning up all surplus stock.

Since Easter we have enjoyed mild and very pleasant weather. Trees and shrubs are rapidly budding and the early shrubs, such as forsythias, Spiraea prunifolia, etc., are in bloom and a great many perennials begin to be attractive. K.

NEW YORK.

Among the Wholesalers.

There has been no improvement in the market since my last report. No business, ice boxes full of flowers, and prices way down almost to summer rates, mirrors the situation. What is the reason? Of course there is a tremendous lot of stuff coming in and scarcely any shortening of crops. Behind all this, however, is the spectre war, war, war!!! and this seems to be the main cause for the degeneracy of the market and business, and the bearing of prices. Prices, did I say? There have been none. Stock has had no settled value and values are what you could get.

American Beauties have received terrible punishment, fine hybrids contributing a good deal towards this, and some remarkably fine stock of the following are to be seen: Brunners, Jacks, Baroness Rothschild, Mrs. J. Laing, Mad. Gabriel Luizet, Anna de Diesbach, Magna Charta and La France, prices ranging from $3.00 to $20.00 per 100. A few moss roses are to be seen, and these realize the Klondyke price of $3.00 per dozen. Other rose stock has sold as low as $5.00 to $10.00 per 1,000.

There has been and is a tremendous glut of Harrisii, selling as low as 2 cents a flower. Lilies of the valley have not been quite so plentiful as heretofore; other bulb stock a drug in the market. Fancy pinks go slowly for the first time in the season; ordinary kinds fairly well. This applies more specially to Scott, reds not at all. The best grades of all flowers are the greatest sufferers, and the Greeks are in clover.

The Retailers.

Trade is very slow in this department. The war scare has cut down the steamer trade and naturally there are less flowers used, usually quite a heavy item at this season. The future for the seaside resorts is also gloomy, as the public do not care to take any chances of dodging Spanish bullets.

A few patriotic emblems are to be seen occasionally. The Bridgeman Co. were manufacturing a cannon (smooth bore) for the officers of the Ninth Pennsylvania regiment, National Guard, when I called recently, and flags, ships of war, etc., are among the floral armament these days.

Seed and Bulb Trade.

War and its accompanying results are already having their effect on this

important branch of the business, not so much, perhaps, in the home trade as on the present and future import trade. It is almost impossible to secure freight rates for fall importations; in fact, some companies will not figure on space at all on their boats. Then, again, there is another critical question arises, as seen from the following extract of a letter from France received by a prominent house:

"In the danger of war between the U. S. A. and Spain, we are afraid that same is 'cas de force majeure' (free translation, 'a case that cannot be foreseen'), which our customers can allege for not paying for or not accepting goods ordered." So it is seen unless a customer will guarantee acceptance and payment for goods, taking the "casus belli" into consideration, considerable friction is liable to arise and great inconvenience besides.

Jersey Notes.

Last Thursday the New Jersey Floricultural Society held an Eastertide floral festival and musicale at Berkley hall, Orange. The results were quite gratifying. The floral display was grouped along the outer edge of the room and contained some very flattering exhibits.

Malcom MacRorie, the president, had an excellent group of foliage plants, particularly a fine specimen of Kentia Belmoreana. He also showed a specimen Pandanus Veitchii.

Peter Duff, the genial secretary, showed some delicious strawberries in pots, well fruited, and some well-flowered pelargoniums.

George Smith exhibited a vase of carnation Mayor Pingree, and some well grown foliage plants and roses.

James Keenan showed a well grown group of ornamental foliage plants, including some fine arecas, ferns, raphis, araucarias, etc.

John Hayes had some excellent crotons, all well colored and good varieties.

Dietrich Kingsgrab staged some very fine foliage plants, including a handsome piece of Phoenix rupicola; also specimen Adiantum cuneatum.

Thomas Urley exhibited a group of hydrangeas and Spiraea compacta, well grown.

W. A. Manda showed an excellent collection of new and rare plants, including Tillandsia fenestralis.

Dr. J. M. W. Kitchen exhibited quite a comprehensive collection of orchids, including cattleyas, cypripediums, coelogynes, laelias, etc.

Robert McArthur displayed a number of excellent carnations.

Thomas W. Weathered's Son showed a construction model of their wood and iron greenhouse, very practical.

A CAUSTIC COMMENT.

In a recent newspaper paragraph the writer speaks of the flowers in a huge floral cross as: "Beautiful parts of a hideous whole."

CHICAGO.

The Market.

Market reports are rather conflicting, but the majority feel that business is rather better than at the same period last year. With few exceptions, prices rule generally moderate, and occasional large lots go at prices discouraging to the grower. Still, there have been large sales of select stock at very good figures for the season. There is a surprising dearth of bulbous flowers for the season, which is probably to be accounted for by the fact that growers aim to have their forced bulbous flowers out of the way by this time, and the outdoor stock has not yet arrived in any quantity. First-class carnations hold their own as well as anything. Lilies are now pretty well cleaned up. One of A. L. Randall's consignors missed Easter by a very wide margin with a big lot of longiflorum, and is now just beginning to cut some very fine blooms. He expects his cut to last till Decoration Day.

Taken all in all, the wholesalers seem generally satisfied with conditions for the season.

Various Items.

Mr. E. H. Hunt is gaining, but is still unable to visit his place of business.

Mr. John Zeck, long in charge of Reinberg Bros.' wholesale store, resigned his positon, taking effect last Saturday, and is now with Mr. S. B. Winter. Archie Spencer is now in charge at Reinberg Bros. and is keeping things moving in good shape.

Messrs. O. P. Bassett and Flint Kennicott are both sojourning at West Baden, Ind.

This Thursday evening (April 28) the Florists' Club will hold its last meeting in the old quarters in the Masonic Temple. An interesting program has been prepared.

The bowlers have arranged to meet every Friday evening for practice at the new alleys under the Illinois restaurant, at 77 Randolph street, at 7:30 p. m. These are strictly regulation alleys and an attempt will be made to get the boys in good training for the match at Omaha in August.

Billy Wells, the famous North Side ex-florist and park superintendent, will soon start to the front in search of glory.

Geo. Wittbold is now fairly well settled in his beautiful new store on Buckingham place, adjoining his greenhouses. The store proper is 35x35 feet and is very handsomely fitted up. The 35 feet of store front is all glass, two of the large plates of glass being each 10x10 feet. Adjoining the store is a light and spacious workroom. At the back of the store will be built a conservatory and showhouse 35x90. Another new house is contemplated, size not yet determined, but probably 18x100. Mr. Wittbold reports a good retail business as well as a large shipping trade in palms. Kentias of good commercial sizes are scarce.

B. J. Blameuser is moving into his new place at 718 Wells street. The lot is 35x117 and he has secured a five-year lease. He has built a neat store and two greenhouses, one 55x16 and the other 95x16, the end of the latter facing the street side of the store, with a broad sheet of glass that will make possible a very effective display toward the street.

The tulips at Lincoln park are showing strong color now and will be in almost full bloom by Sunday. In a geometrical bed of red, yellow and white, the blooms are coming with remarkable evenness. The varieties are Vermillion Brilliant, Chrysolora and La Reine. These sorts are excellent to plant together, as they all bloom at just the same time, at least they do so here.

The special feature at the Florists' Club meeting this Thursday evening will be a paper on "Bedding Plants," by Mr. C. J. Stromback, head gardener of Lincoln park.

Luther C. Farwell, manager of the greenhouses at Oakwoods cemetery, committed suicide April 19.

ST. LOUIS.

Trade Rather Slow.

Trade reports are not very encouraging for the past week. There is plenty of stock in the market and very little sale for it; in fact, the general verdict is that since the war excitement there is no business in town worth speaking of.

The commission men's ice boxes are filled up to the brim, and it is only the outside shipping orders that make room for the next day's consignments. Even some of the fakirs complain that there is nothing doing just now.

Prices.

Roses are firm, but sell at very low prices. Select Beauties range from 15 to 25 cents each, and the short ones are sold for little or nothing. Brides, Bridesmaids, Meteors, Carnots and Jacques bring $4 for select stock and from $2 to $3 for seconds; in 1,000 lots the price was $10. Hybrids do not sell well, in spite of the fact that they are fine.

Carnations have been and are now very plentiful, there being a glut in all varieties, especially in reds. Whites are always in demand and sell better than any others. Reds are 75 cents and $1 per 100; same price on Scotts, Daybreak and Wocher; whites, $1 and $1.50; fancies, $1.50, and extra fine stock, $2.

Violets are growing poorer and smaller, and sell at 25 and 35 cents per 100. Bulb stock is very dull and there is very little sale for anything in this line, except perhaps valley, which



View of the wholesale store of S. B. Winter, Chicago.

brings $2 and $3. Harrisii are selling at $5 and $6; callas, same.

Sweet peas are now selling at 25c per 100, and are very good. They are not yet overplentiful, but it is likely that in a week or so the market will be overloaded with them.

There is still a scarcity in greens, and no ferns in the market all of last week. Some of the florists fell back on rose leaves for backing. Smilax is also a little scarce and in good demand at $15.

Notes.

The preliminary premium list of the St. Louis Florists' Club for the exhibition of 1898 has been issued. Class 12 this year was made for Miss Mary Lionberger, who gives $100 for premiums for herbarium collections of wild plants, such collections to be made and exhibited by pupils of any school in St. Louis or St. Louis county.

Mr. Alex. Walbart, formerly at Grand avenue and Chestnut street, will open a flower store on Grand avenue, near Olive street, before the end of the month.

Mr. C. C. Sanders reports that tree planting has been very brisk with him this season; also in shrubs and evergreens. Others in the same line report likewise.

C. Young & Sons Co. are receiving large orders from outside of the city for plants, seeds and bulbs, and from appearances business in this line will be better than last year.

Mr. H. C. Irish is now acting director at the Missouri Botanical Garden, in the absence of Prof. Wm. Trelease, who is now in Europe.

The Bowling Club.

Only eight members took part in the three games rolled by the club Monday night, the rain keeping the rest at home. Emil Schray is in form again, and was high man with 643, single score 237; C. A. Kuehn, second with 603, single score 223; Fred Weber third with 500, single score 197. This ended the April series of 12 games. Chas. Kuehn wins the average medal with 2,255; John Kunz, second, with 2,082, and Beneke, third, with 2,0o3. Emil Schray wins the high single score medal with 266; Beneke, second, with 233, and Kuehn, third, 223. The May series will begin next Monday night with 25 games of cocked hat, just for a change. J. J. B.

CLEVELAND.

Spring! Oh, Spring!
You're not such a beautiful thing,
And poets all lie when they sing
Of your m a n i f o l d charms, naughty Spring!
Measly Spring!

For 'tis the grower t h a t mighty well knows
You're the cause of one-half of his woes,
And you can't get a price for a rose
That'll pay for the wear of the hose.
Hang you, Spring!

To the above horrible result does the situation of last week lead one. Cuba libre does not so immediately burn into one's soul as flowers nearly free, a condition almost realized at the latter end of the week just past. Dry goods stores, as well as the legitimate dealers in floral products, were engaged in the pleasant pastime, and as a result roses, carnations, daffodils and other flowers were sold at prices that must seem ridiculous when one stops to think of them. Roses were the principal feature in the slaughter, some very fair stock being disposed of at 25 cents a dozen. American Beauties were sold in a dry goods establishment at 10 cents each uniformly—short or long stems—and there was some very good long-stemmed stock in the lot, too.

More than one establishment sold roses at from 25 to 50 cents. Others who did not have these to burn got up conflagrations of their own with carnations at 15 and 20 cents per dozen, and daffodils and tulips at 25 cents, so that all around there was a real hot time in the old town last week in spite of the rather chilly natural atmosphere.

Well, every year has seen a similar outbreak for some time back, and possibly we shall continue to have the same sweetly pleasant situation every year in the future until florists learn that while there may be a real pleasure in these little eccentricities, there is little money in it, more especially as the public is thereby led to form very erroneous opinions as to the figure at which flowers can fairly be sold, and is very slow to forget these good times that are occasionally provided by the all too generous florist solely out of the goodness of his heart and the praiseworthy ambition to "do" his competitors. NEMO.

PITTSBURG.

Business Fair.

Business for the past week has been very fair and promises to continue in this state. The war excitement does not seem to have any perceptible influence on social doings. Receptions, weddings, banquets and other social functions continue with their usual regularity. There seems to be a surplus of roses and the prices are accordingly exceedingly low. The weather is unfavorable for the sale of a large amount of bedding plants. The growers anticipate an unusually large demand for Decoration day, due to the newly awakened patriotism.

Notes.

Messrs. Elliott & Ulam, of Pittsburg, Pa., will furnish the decorations for the Americus Club banquet April 28.

At the last meeting of the Pittsburg and Allegheny Florists' and Gardeners' Club two new members were elected: Messrs. M. Nauman and Frank Hayman. Plans will be formulated at the next meeting for a general fall flower show. Many members will look forward to a grand banquet this club intends giving in the near future.

F. Britenbaugh & Bro. report a large sale of their Little Beauty and Lord Byron fuchsias.

F. J. Curtis, of Ben Avon, Pa., is sending out a neat announcement of bedding plants.

Arbor day, last Friday, April 22, was observed here only in an informal way. T. P. L.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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BUFFALO.

Business Somewhat Slow.

There has been a low pressure of the atmosphere for the past week, and business can be described as precisely the same; no elaborate weddings or parties that demanded anything extra, simply a steady, quiet demand. Yet there does not seem any over-supply. Violets are still coming in in quite good quality and sell freely at the popular price of $1.00 per hundred. Carnations of good grade all go, and there are not enough. It seems to me the man who has taken care of his carnations, and will for the next three months pick many thousands of fine blooms, has a rich reward to come. Relatively low in price they may be, yet the great demand and prolific crops make them highly profitable. The expense of growing them is over, and nothing but watering, fumigating and the delightful occupation of plucking them remains; so to neglect them now or pull them out to make room for a crop of bedding plants is very short-sighted; your profit is just to come. In another week we will have outside daffies and early tulips to relieve the scarcity of cheap flowers, so welcome for our cemetery trade, which some of us have not yet been able to dispense with. We are not all yet Fifth Avenue florists.

We expect to have an unusual call for sweet and lasting flowers this week. When our ten regiments of the national guard take the train for the seat of war, poor lads and lassies ere they part will want some little exchange of tokens. A spray of Myosotis palustris will fill the bill. Poor chappies, when wading through the swamps of the Pearl of the Antilles they will doubtless be glad to exchange their withered blossom for a hamburger sandwich, but we hope patriotism and sentiment (even if rations are short) will buoy them up under all trials.

Business Changes.

There is more than the ordinary amount of moving among the craft. The smudge of fire and smoke quickly moved S. A. Anderson, and he is already installed in his new store, 440 Main street. It is a most commodious and commanding position and what may be called the very center of the city. With his tact, theological associations, native shrewdness and unlimited resources from Uncle, nothing but success can look this young man in the face.

W. A. Adams hops across the street to occupy the store so long the down town depot of Wm. Scott, where he is bound to bring all his own friends and we hope many new ones.

"P. Scott and father" will go up town a few blocks (546 Main street) to a larger place, where increased rent and much increased facilities are expected to result in sufficient increase in revenue to warrant progress.

Allow me, Mr. Editor to say that our town is getting sufficiently full of retail florists, almost too full, but no matter where you go or in what block you are every one has their friends and no one man can do all the business. The leading man will be he who keeps the best article, is most polite and attentive to his customers, prompt in delivery and fully gains the confidence of the public. But in spite of all these desirable essentials there will be lots of business unknown to this leading man, merely from personal reasons, and right it should be so. If it were not so there would be such Napoleons in the trade that all others would be privates and paupers.

Visitors.

After a recess of two weeks we had a tidal wave of drummers. Fortunately they all came on one day, so from breezy morn till dewy eve, and even to the still and solitary hour of midnight, did they invade our quiet precincts. In early morning came a Dutchman of most gentlemanly mien, whose card I lost; then Mr. Fotheringham, who speaks his piece for Mr. Pierson, of Tarrytown; then Mr. Blaauw, whom we have to see because he sells good axaleas. Mr. B. is a small man with a smile much larger in proportion than his body, but he means it all right and uses his affability for a laudable purpose—a sort of a torpedo catcher. As he always fills his orders faithfully, we forgive him.

A complete surprise in the way of a commercial traveler (drummer is not a good enough title) was Mr. P. N. Koster. Marvelous was the manner of this artist. "Mr. S., I did not call on you to receive orders. I merely called to get a few fine carnations for my wife, who is in Rochester." You can guess we sunk to the floor, not with fright, but with an overpowering sense of something mysterious.

Then who should come along, away after dark, but Mr, Ponderosa Burt Eddy. There is nothing exactly like him, certainly not in our trade. We all know him as a comedian. We did not know him as a scrapper, but now know he was. If J. C. Vaughan could divide Burt Eddy into five parts, each containing Burt Eddy mentally; what a blessing it would be for J. C. But then, Burt, without his ponderous ponderosity, would not be B. E., and so the problem ends. The enormous but agile conglomeration, the mobile expansive features that mould themselves readily into any form of grief or joy, expectation or despondency, are gifts not bestowed on every man, and God forbid they should be, for then there would be no fun in it. In his subdued conversation he discharges at his victim a continuous flow of apt remarks, illustrated and enlightened by genuine Americanisms, the brightest and best wit of the world up to date. W. S.

BOSTON.

Trade Conditions.

The majority of the growers in this vicinity are now heels over head in work, preparing for a heavy spring season, and only show up in the market about once a week, and as the most of them are obliged to throw out their flowering stock to make room for spring plants, it to a certain extent influences the cut flower market.

During the early part of the week the demand and the supply were about equal on such staples as carnations and roses, but when Saturday came so came the growers also. Result was that prices on everything dropped. Carnations of a strictly first quality brought from $3 to $5 per hundred, the latter price being paid for Flora Hill, which are in limited quantity in this market.

The spring crops of Mrs. Fisher and Scott are now coming on and will have a tendency to bring down prices to a warm weather basis and will give the fakirs a chance; they have been out of the carnation market since before Easter. Roses, the common varieties, have taken a decided drop. Beauties are not plentiful, but enough to supply the demand, being helped out by some very fine Brunners.

Violets have been superseded by the Mayflowers, which are plentiful and of fine quality. There are lots of sweet peas and pansies in the market, selling fairly well. Lilies and bulb stuff is very slow and requires lots of forcing to sell it at all.

News Items.

It is rumored that F. W. Fletcher, who has just resigned his position as managing editor of the N. E. Florist, is about to go to the front as war correspondent for a local daily.

Spring auctions have now got started in good shape. N. F. McCarthy is selling three times a week, mostly hardy stock from Holland, and has been averaging from $7 to $8 for budded roses, other stock in proportion.

The war scare is causing some anxiety among growers of spring plants, especially among those that have their establishments at or near the beaches. The exodus of city people will probably be to the mountains this year.

Seedsmen report business as good, fully equal to a year ago.

Weather cold and backward. P.

TORONTO.

Signs of Spring.

Spring is allowing itself both to be felt and seen now. The weather having been quite mild and balmy, with good rain lately, trees and shrubs and herbaceous plants are pushing ahead at a great rate. The parks are looking very pretty now, with the bulbs all in bloom and the grass so vividly green. Probably spring seems a more delightful season in Canada than in many other places on account of the contrast to the long period of severe winter weather.

Cut flowers are very plentiful and of good quality now, but prices have slid away down. People are beginning to talk about plants for their gardens a good deal and there is quite a trade being done down at the market on market days.

Notes.

Mr. Fred Bromham, late of the exhibition park greenhouses, has decided to try his luck on the Pacific coast and will start this week. He should succeed well there, being a first-class grower of stove and green house plants.

At the May meeting of the Horticultural Society the details of the public school children's Chrysanthemum show will be gone into and a paper on "Bedding Plants" will be read by Mr. A. H. Ewing.

The prize list for the ninth annual chrysanthemum show, held by the Gardeners' and Florists' Association, has been published. Any one requiring a copy should apply to E. H. Carter, Riverdale Park, Toronto. E.

WASHINGTON.

The florists are now directing all their energy to getting their carnations and other plants in the field. The season is backward; we usually have them planted by the first of April in this section.

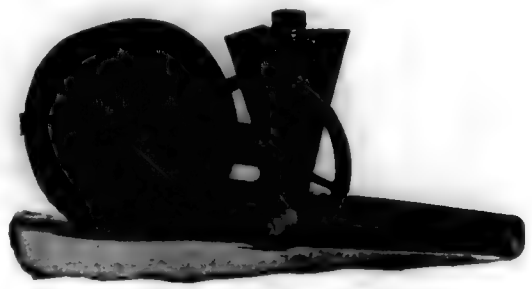
The retail trade has been extremely quiet, the only work done being in the funeral line. The store men say that they are doing as much business this year as was done the year before, same date. The weather has not been favorable for a good plant trade, either too cool or too wet.

During the visit of Wm. J. Bryan to this city a couple of weeks ago, he was presented by the president of the Lakeland Democratic Club with a floral design of a cross which measured four feet wide and seven and a half feet high. The center work was of Perle roses bordered with two rows of daffodils. The base represented draped American flag. The union was made of Lady Campbell violets, the stars of white azaleas, the stripes of red and white carnations. A crown of thorns made of Gleditschia triacanthos across the arm and a nine-pointed star, representing Bryan's propositions.

Mr. Bryan wrote a personal letter to Mr. Freeman, the designer, saying that he had received many floral pieces, but this was not only the prettiest but the best made piece he had ever received. W. H. K.

MILDEW IN SUMMER.

The application of sulphur to large numbers of rose plants in summer, to prevent mildew when artificial heat is discontinued and it is no longer possible to secure results by applying sulphur to the heating pipes, is quite a



MacMichael's Sulphur Blower.

serious task, and with the average bellows much of the sulphur is wasted by not reaching the desired places on the foliage.

These difficulties have been overcome by a florist of an inventive turn of mind, who has produced a blower that will do the work in much less time and more effectively. With this blower the force is so strong and steady that the sulphur is distributed with remarkable evenness and speed. It promises to be an important labor saving device for the rose grower in summer. The inventor is Mr. H. MacMichael, 956 N. Leavitt street, Chicago, who is now putting it on the market.

KANSAS CITY, MO.

Desirable Easter Trade.

For Easter, weather was all that could be desired. Two of the leading florists report 15 per cent increase. In cut flowers the demand was good and prices up to former years. No trouble to sell first-class roses, especially Gontiers and Bridesmaids. Bulb stock was plentiful and good.

In plants Harrisii was the principal article. Plants at $1 to $3 were the ones that went, fancy prices getting to be a thing of the past. Hydrangeas and hyacinths were in brisk demand, especially the latter, 25 and 35 cents each being the price. Pans with two and three dozen in each sold fairly well. Pans and pots of valleys sold well and at good prices.

There was less demand for palms and ferns. Blooming plants are what take at Easter. On account of weather, delivery of lilies was excellent, and as a result less complaining than any year since the writer has been here. One thing to be remembered is, that good stock in plants and cut flowers will always sell. Also that the popular price is $1 to $3; and with war in Cuba, would advise for next year 50 cents to $1 as the price to be most available, unless the Klondike next fall sends her tons of precious yellow metal to our shores, for this war talk is certainly affecting business.

We have had a visit from Mr. Nickelson, of the Texas Seed & Floral Co., a bright and intelligent Scotchman.

Report has it that A. Newell will become a major in the army. S.

MILWAUKEE.

Easter trade was fully 25 per cent. larger than last year. All stock sold well, with the exception of bulbous stuff. Tulips and hyacinths were sold at any price obtainable at the last day, as much of that class of stock was held back and then dumped on the market too late to dispose of the larger quantity coming in.

Harrisii lily plants found ready sale, good plants bringing at wholesale 15 cents per bud. There was also a fine lot of spiraeas, azaleas, cinerarias and mignonette plants on the market, which found ready sale.

In cut flowers, carnations led with a large and early demand, ranging in price from $2 to $4 per 100. Roses also sold well, prices ranging from $4 to $8 per 100. Smilax was scarce, selling as high as 20 cents per string, and not extra large at that figure. Weather was fine for delivering plants.

GEO. WASHINGTON.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The past week failed to show the improvement we looked for, perhaps due in part to the war excitement. Prices have ruled low, the demand having been so light that only a small part of the best stock has brought fair prices, the bulk going very cheaply.

Lilac is coming irregularly and selling fairly well. Valley becoming scarce, and price considerably advanced. Within a few days, however, the out-door product should begin to appear, when price will take a drop. Paeonies are looked for within a week, and we will soon be in the midst of the usual spring supply of outdoor stock.

The main stocks, roses and carnations, have fared about alike during the last few days, there being an occasional day when the market cleaned up pretty well, followed by a day absolutely lifeless from a business standpoint.

BALTIMORE.

Business Conditions.

Business has fallen off considerably the past week, and is unusually quiet for the season of the year. Very little entertaining was done in the social world, and in what few events did take place the floral decorations were of a minor character.

Transient cut flower trade was especially poor. Summer weather has had the effect of crowding the streets with shoppers, yet the flower stores remain comparatively deserted and were little benefited.

Several prominent tourists, in expressing their views to the writer, attributed this sudden check to the "war scare." Circumstantial evidence is certainly pointing strongly towards that theory, for it is always the florist who is first affected by a depression.

Stuff is plentiful and of good quality. Violets may be considered over, though a few are still handled. Carnations are fine, and, as usual, greatly in demand. Harrisii and longiflorums are also about over, though a few relics of other Easter stuff are still to be seen. Out-of-door blooming stuff is plentiful. Valley is just coming in.

Notes.

Mr. Jno. Cook reports "an exceptionally good Easter trade; plants were more in demand than cut flowers; sold out entirely on azaleas and could have disposed of many more."

A fine carnation display was seen this week in the windows of Messrs. Halliday Bros. Many different varieties were used in the decoration, and each and every bloom was of the finest, thus doing great credit to the firm's established reputation as growers.

C. F. F.

OBITUARY.

Reinhardt Maitre.

We regret to have to report the death of Mr. R. Maitre at his home in New Orleans, La., April 14, aged 68 years. Death was due to general debility, following an illness of several months.

Mr. Maitre was the oldest florist in New Orleans, having been a leader in the trade there for forty-three years. In 1892 he partially retired, turning over his city store to Mr. U. J. Virgin, his nephew. Mr. Maitre was well known to the trade through his frequent attendance at the meetings of the Society of American Florists, in which organization he always took a lively interest. He had many friends in the trade, who will be grieved to hear of his death.

NOW in course of preparation, The Florists' Manual, by William Scott. It will cover the whole field of commercial floriculture, the articles arranged alphabetically, so that reference may be quick and easy. It will be a whole library in itself. Price only $5.00. Send in your order now to the Florists' Publishing Co., 530-535 Caxton building, Chicago.

WANT ADVERTISEMENTS.

WANTED—A good rose grower. Also a good man for orchids, ferns and palms, for commercial place. Address Minnesota, care of Florists' Review.

SITUATION WANTED- By a practical English florist and grower of No. 1 roses. Carnations, 'mums, violets a specialty. Now disengaged. Age 39. Commercial or private position. Address W., Florist, box 547, Alliance, Ohio.

FOR RENT—For greenhouse purposes, 32,700 feet on Michigan Avenue. Long lease and low rental. Room 922, 184 La Salle Street, Chicago.

SITUATION WANTED—By thoroughly practical all round gardener. Capable of taking entire charge of a gentleman's private place. Exceptional references as to character and ability. Address Gardener, care of Florists' Review, 105 Hudson Street, New York City.

SITUATION WANTED—By a competent florist and gardener, 14 years' experience in growing cut flowers, tropical plants, cyclamen, etc. Also a first class designer and decorator. Capable of taking charge of place of any extent. Age 30, single. R. S., care Florists' Review.

SITUATION WANTED—An experienced florist (of 20 years) and wife wish a situation to run a flower store or work in greenhouses as makers up of florists' designs. Best of references. Man a total abstainer. G. Y. C., care Florists' Review.

SITUATION WANTED—By young man, in retail flower store, ten years' experience. Capable to take full charge. Address W. W., care of Florists' Review, 56 Pierce Building, New York City.

WANTED—Young florist for greenhouse work; steady place for the right man. Garfield Park Floral Co., 1688 West Madison Street, Chicago.

FOR SALE—A well established flower store in one of Chicago's busiest streets at a reasonable price. Address E. Kitzinger, 867 Milwaukee Ave., Chicago.

WANTED—Good young florist for store and greenhouse. Address H. N. Bruns, 690 W. Van Buren Street, Chicago.

WANTED TO RENT—Greenhouses in good working order, by experienced grower, or will run place on shares. Writing, give particulars. C. B. A., Florists' Review.

FOR SALE—At a bargain, 4,000 feet of glass, well stocked, with seven-room dwelling, barn and stable, everything in good repair, in a fast growing city of 40,000. A fine chance for a young man with push. For particulars address E., care of Florists' Review.

SITUATION WANTED—By A1 grower of roses and other cut flowers and plants, as working foreman; has held similar positions in Chicago; best of references. Address E. C. care Florists' Review.

SITUATION WANTED—By a first-class florist; single, German. 36 years of age, with 20 years' experience in growing roses, carnations and general stock; can furnish best of references. H. C., care of Florists' Review.

SITUATION WANTED—By florist and gardener; good grower of roses, carnations, mums and general stock. Only those in need of a good man and are willing to pay fair wages need apply. Address K. K., Florists' Review.

FOR SALE—Six greenhouses, about 14,000 feet of glass; well stocked; wholesale and retail town of 4,000; no competition; less than 100 miles from Chicago; two railroads; good seed trade. For particulars address A, care Florists' Review.

WANTED—Two good greenhouse assistants; please give experience, references, etc.; wages, $9.00 per week. Address J. A. Peterson, 105 E. 4th St., Cincinnati, Ohio.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

WANTED—A working foreman, must be an A 1 rose grower, American preferred, but must be able to furnish the best of references. No fakes need apply. The plant is backed by wealth, therefore, will have none but the best. A good salary will be paid to the man who can prove his ability. In writing, send copies of recommendations and address. Address L. T., The Florists' Review.

WANTED—An industrious, energetic married man with no children. Man to work in rose and violet houses, wife as packer of cut flowers, etc. Wages, combined. $45.00 (forty-five dollars) per calendar month and two rooms free. None but those who have had experience need apply. Anchorage Rose Co., Anchorage, Ky. Chas. Rayner, Manager.

FOR RENT OR LEASE

Chevy Chase Greenhouses,

CHEVY CHASE, MD.
(Suburb of Washington, D. C.)

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Am. Beauty, fancy, extra, long stem, each	10c to 20c
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Am. Beauty, culls and ordinary, per 100	.50 to 2.00
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Brunners, 1st, per 100	10.00 to 20.00
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Jacks, 1st, per 100	6.00 to 8.00
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OF THE FIRM

VANDERHORST & DAMES,

BULB GROWERS,

LISSE-HEEMSTEDE, - HOLLAND,

is on his round-trip in America. To save time please address all letters up to May 15th,
Care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York.

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COLEUS { All Kinds, All Grades and All Prices.

C. Verschaffeltii and Golden Queen rooted cuttings, $6 per 1000; 2½-in. pots of the same, fine shape, $15 per 1000. Coleus—variety rooted cuttings, $4.50 per 1000; 2½-in. pots of the same, $12 per 1000; by the 100 add 15 per cent.

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GERANIUMS.—Standard sorts, our selection, $1.50 per 100; $12 per 1000; 2½-in. pots, $18 per 1000; $2 per 100. Mountain of Snow, 2½-in. pots, $2.50 per 100. Madam Salleroi, from flats, $1.25 per 100; $10 per 1000; same from 2½-in. pots, $2 per 100; $18 per 1000. Above are rooted cuttings, except where noted. Cash with the order.

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GREEN AND GOLD. Foliage beautifully variegated with yellow, clear and decided. Flowers very double, creamy white. A splendid exhibition plant. Worth growing for its beautiful foliage alone. 50c each; $4.00 per doz.

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These varieties are early and medium bloomers.

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25,000 at $4 per 1000; 60c. per 100.

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HILLSDALE FLORAL PARK,
Mention Florists' Review. HILLSDALE, MICH.

Always mention the Florists' Review when writing advertisers.

OTTAWA, ONT.

Graham Bros. report a bang up Easter, and a good seed business. Spring plant trade is looking up, and as the Dominion intends offering special attractions this season to the tourist, plant decorations will be in greater demand.

Chas. Scrim had an eye to this when he fitted up his new store, which is a dazzler, the loftiest and most convenient in the east. Here the veteran decorator, E. I. Mepstead, gets in his work by giving illustrations of artistic decorating, which can only be done in a large store with abundant stock, such as is raised at the greenhouses, which I never saw in better shape than at this present time, showing that whilst Edward was many years a store artist, he has not lost sight of the early training received at the potting bench. W. M.

SPECIAL PREMIUMS.

We have received from the American Jadoo Company, Philadelphia, a printed list of special premiums offered by them for plants winning first prizes at the fall exhibition of the Pennsylvania Horticultural Society next November. They offer seventy-one special premiums, amounting to the neat sum of $314.00. These are in addition to the regular prizes offered in the official list of the society. The conditions under which these special premiums are offered are that the plants, flowers or vegetables must be scheduled first or highest prize-winners in their respective class, and that they must have been grown in Jadoo Fibre or watered with Jadoo Liquid. A copy of the list can be had on application to the American Jadoo Company, 817 Fairmount avenue, Philadelphia, Pa.

LORD & BURNHAM CO., of Irvington-on-Hudson, N. Y., will move their New York office on May 1 to the St. James building, Broadway and Twenty-sixth street. Their new city quarters give them increased office room, besides show rooms, where they will shortly exhibit samples of their greenhouse construction, greenhouse heaters, ventilating machinery, and other manufactures.

WATERTOWN, N. Y.—Green & Underhill are very sanguine as to the future. Up to the present it has been the best spring for many seasons. The large quantity of stock moved by these enterprising gentlemen is very gratifying.

Golden Bedder Coleus.

Now Ready.	Per 100	Per 1,000
Golden Bedder, fine cuttings	$1.00	$8.00
Verschaffeltii	.75	6.00
Fancies	.75	6.00

Cuttings, large and well rooted, free from mealy bug. Express prepaid on lots of 500.

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100,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants. $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

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Late, large round, solid heads, weighing from 12 up to 25 lbs. EXCELLENT KEEPER. DOES NOT ROT. Price, postage paid, per ounce 25c; ¼ lb. 75c; pound $2.00. Cash with order.

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Choice Specimens for Lawn Decoration.

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	Per 100
Alternantheras A. Nana $1.75 P. Major	$2.00
Begonias 5 Var—Vernon	2.50
Coleus Asst. and Centaurea Gymnocarpa.	2.00
Geraniums, 16 Var., 2½ pots, $2.50; 3 in.	3.75
Geraniums, 4 in. pt. and Marguerites (P. Daisy)	5.00
Pansy plants from cold frames and Smilax	1.00

Cash please.

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WHOLESALE GROWERS OF **Cut Flowers**

600,000 Feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. **We are Headquarters for Fine American Beauties.** Give us a trial and convince yourself.

Rooted Rose Cuttings

Plants and cuttings sent by express at plant rates (80 per cent less than merchandise rates).

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AMERICAN BEAUTY	$2.50	$20.00
BRIDE	1.50	12.50
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BELLE SIEBRECHT	1.50	12.50

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Out of 2½-inch Pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	3.00	25.00
Bride	2.50	22.50
Bridesmaid	2.50	22.50
La France	2.50	22.50
Kaiserin	2.50	22.50
Belle Siebrecht	2.50	22.50

...ROOTED CARNATION CUTTINGS...

	Per 100	Per 1000
JUBILEE	$2.00	$15.00
Wm. Scott	1.00	7.50
Nancy Hanks	1.00	7.50
Tidal Wave	1.00	7.50
Portia	1.00	7.50
Lizzie McGowan	1.00	7.50
Goldfinch	1.00	7.50
Mrs. Thompson	1.00	7.50
Daybreak	1.50	12.50
Emma Wocher	1.50	12.50
Lizzie Gilbert	1.50	12.50
Harrison's White	1.50	12.50
Bridesmaid	1.50	12.50
Nivea	3.00	.....
Flora Hill	3.00	25.00
Mayor Pingree	3.00	25.00

Smilax Plants, $2 per 100; $15 per 1000.

CARNATION CUTTINGS FROM BLACK SOIL.

Wm. Scott, Daybreak, Emma Wocher, Bridesmaid, Lizzie Gilbert, Kohinoor, Goldfinch, Lizzie McGowan..... **$2.50 per 100; $20 per 1000.**

Jubilee, Flora Hill, Mayor Pingree, **$5 per 100; $40 per 1000**

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Greenhouses at Hinsdale, Ill.

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The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices

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Strings 8 to 10 feet long, 50 cents. — Shipped to any par. of the countryt

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Rooted Runners, **$5.00** per 1000.
Healthy Stock. Cash with order.

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All telegraph and telephone orders given prompt attention.

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CHAS. RAYNER,

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Specialist for **American Beauties, Meteors, Maids and Brides.** Cut Flowers.

Shipping facilities and stock unexcelled.

Lowest Market Prices. Write for quotations on large orders.

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THE LARGEST SUPPLY HOUSE IN AMERICA

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JUST ARRIVED IN FINE CONDITION

Odontoglossum Crispum, Miltonia Roezlii, Cattleya Chocoensis, Cattleya Labiata, Oncidium Varicosum Rogersii

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Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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..C. W. WORS..

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FINE ROSES—Shipped Carefully to all Parts of the Country.

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WATER LILIES.

All Sorts.

Stock Reliable. List Free. GEO. B. MOULDER, Lily Park, SMITH'S GROVE, KY.

FORCING BULBS.

We have closed contracts with some of the best and most reliable producers for our stock of

Roman Hyacinths, Tulips, Dutch Hyacinths, Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas and all leading Forcing Stock.

Give us a list of your wants and we will quote same. Don't forget that we are strictly in it on SUPPLIES OF ALL KINDS,

SEEDS, BULBS AND CUT FLOWERS.

VAUGHAN, McKELLAR & WINTERSON, 45, 47 and 49 WABASH AVENUE, **CHICAGO.**

MONTREAL, QUEBEC.

Easter was most satisfactory, both in weather and business. All who had good stocks cleared out at usual prices, which were a slight advance over ordinary. St. George's Day (24th) created a big demand for roses, the appropriate flower for this event.

S. S. Bain intends making a European tour, during which time he will secure notes for his weekly contribution in the gardening column of a local paper.

Jos. Bennett has removed to 136 Peel street, where he has a handsome store, with conservatory in rear, one of the most convenient places we know of.

Wilshire Bros. are taking a more convenient store to handle their increasing business with greater facility.

B. T. Graves has given up his down-town store for the season and concentrated his forces at the houses, where he turns out a fine stock of bedding plants at this season.

P. McKenna & Son are among the largest growers. In carnations, Daybreak and the but little grown Silver Spray are the two best kinds here.

J. S. Murray maintains his reputation for well-grown stock, which is handled to the best advantage at his down-town store by Miss Murray.

Walt Wilshire grows roses extensively, and at Lachine Colin Campbell, and Jos. Bennett, have made quite a reputation. Mr. Bennett has been bothered with the eel worm, and will try grafted stock, in the endeavor to overcome the pest. His other stock shows the result of careful attention.

W. M.

A COPY of the advance premium list for the twelfth annual chrysanthemum show of the State Florists' Association of Indiana, to be held at Indianapolis, November 8 to 12 next, has been received. The prizes seem very liberal. Copies may be had by addressing the secretary, Mr. R. A. McKeand, Garfield Park, Indianapolis, Ind.

IF YOU want to buy you will find it to your advantage to buy of the advertisers in The Review. If you want to sell, you will find it to your advantage to advertise in The Review.

SAMUEL S. PENNOCK
Wholesale Florist
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We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.
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50 WEST 30TH STREET, NEW YORK.

GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist....
495 WASHINGTON ST., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs

M. RICE & CO.
EXCLUSIVE IMPORTERS AND MANUFACTURERS .....OF **Florists' Supplies**
25 N. 4th St., PHILADELPHIA, PA.

LITTLE BEAUTY--Fine Strong Fuchsia plants, 60c per dozen, **$5.00** a 100.
White and Yellow, $2.50 a 100.
LANTANAS. Trailing Lantana, the finest thing out for baskets and vases, **$3.00** a 100.
A. J. BALDWIN, Newark, Ohio.

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WHOLESALE CUT FLOWERS,
1432 S. Penn. Square, PHILADELPHIA, PA.
Original Headquarters for CARNATIONS.

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WHOLESALE FLORIST,
1526 Ranstead St., PHILADELPHIA, PA.
Consignments of only the best Stock solicited.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

-FERNS-
SPECIAL OFFER ONE WEEK ONLY.
Ferns for the Table. Strong, chiefly Pteris, 3-inch, 60c a dozen, $4.00 a 100. 5-inch, 20c each, $2.00 a dozen.
JOHN WELSH YOUNG, Germantown, Pa.

FLORISTS' SUPPLIES

When in need of anything in way of Wire Designs, Wheat Sheaves, Cutlery, or anything in general use by the trade, bear in mind that we can supply you. On Wire Designs, of which we are large manufacturers and carry a large stock, **we meet the prices of any reliable house.** We will not be undersold on these goods.

Our WHEAT SHEAVES
Sell themselves. Handsome shape, full size and weight, made of best quality material, prices right.

WHITE CAPE FLOWERS,
A good quality at 60 cents per pound.

CYCAS LEAVES, IMMORTELLES, INSECTICIDES, SAYNOR KNIVES, RIBBON, SHEARS.

Can furnish a good Pruning Shear for $1.00. No toy, but a good strong shear that will do the business.

Send for Catalogue.

Seasonable Flower Seeds..... BEST STRAINS ONLY SEND FOR PRICE LIST

E. H. HUNT,

76-78 Wabash Avenue ——— CHICAGO.

HUNT'S WEEKLY QUOTATIONS.

Taking Effect April 28, 1898.

SUBJECT TO CHANGE WITHOUT NOTICE.

We are headquarters for CUT FLOWERS.

CARNATIONS.

Ordinary, ordinary Stock	per 100,	$1.50—
Extra	"	2.00—3.00

ROSES.

Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100	3.00—4.00
Maids	"	3.00—4.00
Meteor	"	3.00—4.00
Perles	"	3.00—

GREENS.

Asparagus	per string,	.60—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—2.50
Smilax	per doz.,	2.00—
Galax	per 100, 20c., per 1000,	1.50—
Leucothoe Sprays	per 100,	.75—
Smilax, (Wild): Must be ordered in advance.		
Stock not very good.		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—

MISCELLANEOUS.

Marguerites	per 100,	.25—
Mignonette	per 100,	.50—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans	per 100,	2.00—3.00
Valley	"	3.00—4.00
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies	per 100,	.50—
Lilac	"	1.00—1.50

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias, Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves.
Station X. **Chicago.**

Only 3000 Geraniums Left.....

2½-in. pots, named varieties, $25 per 1000.
250 Field-grown Vinca Var., 4-in. pots, $10 per 100.
2000 Begonia Vernon, 2½ and 4-in. pots, $4 per 100.
Rooted Cuttings—Coleus, Ageratum, Salvia, at bottom prices.

GEO. W. GASKILL,
212 N. Tod Avenue, Warren, Ohio.

Peacock's Prize Winning Dahlias

36 First Prizes out of 39 entries in 1896 and 1897

Send for 1898 Illustrated Descriptive Wholesale Catalogue before placing orders elsewhere.

W. P. PEACOCK, ATCO, N. J.

BASSETT & WASHBURN'S

ROSE Plants

We have an extra selected stock of the following Rose Plants. Will guarantee them to be as fine as any grown.

		Per 100.	Per 1,000
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Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
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SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

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3000 Beauties, 2½	5c
500 Meteors, 2½	3c
500 Meteors, 3	5c
1000 Golden Gate, 3	4c
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***Ageratum**—Cope's Little Pet. $3.00 per 100. 200 for $5.00.
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Carnations—Leading sorts, $3.00 per 100, $25.00 per 1,000.
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Vincas—All sizes.
Violets—Marie Louise, California, $3.00 per 100.

ROSES. WE HAVE MOST ANYTHING YOU ASK FOR JUST NOW. SPECIALLY WE HAVE SOME PARTICULARLY FINE 3-inch Forcing, $6.00 per 100.

☞ **LOOK OVER OUR TRADE LIST.** We can't enumerate everything in an ad. like this. Look over our list and keep watch of our ads.

CINCINNATI.

Cincinnati Florists' Society.

The regular monthly meeting of the Cincinnati Florists' Society was held the evening of April 16. The display of plants and cut flowers was as usual a magnificent one.

H. Weber & Son, of Oakland, Md., and Wm. Swayne, of Kennett Square, Pa., were out of town exhibitors.

A. Sunderbruch's Sons made a gorgeous display of tulips, having forty varieties of same. In addition to their cut flowers they had a fine collection of foliage plants, such as palms, Pandanus Veitchii and adiantums. They received the largest number of points and are in the lead for first prize.

R. J. Murphy staged a vase of Jacques which were well grown.

George & Allen did not have so large a display as usual, but what they did exhibit was A No. 1, especially their Beauties.

H. Weber & Sons showed a grand collection of fancy carnations, notable among them being Flora Hill, Uncle John, Della Fox, Buttercup and Daybreak. They received special mention on their new rose, Mrs. Robert Garrett, which came in excellent condition.

R. Witterstaetter was on hand with a vase of crimson seedlings that were simply superb; also a vase each of Pres. Sunderbruch and Opal.

Wm. Swayne sent a vase of Empress which was greatly admired. It is the largest crimson carnation yet introduced and will undoubtedly become a popular commercial variety.

No business of importance was transacted at the meeting. The proposed banquet was discussed and the secretary, Henry Schwarz, was instructed to ascertain how many desired to feast at $1 per cover.

The next and last exhibition for this season will be held on Saturday, May 14. B.

FINE STOCK ....OF PALMS

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch, $1.00 each.
Latania Borbonica—3-inch, $10.00 per 100; 4-inch, 20c each; $16 per 100.
Kentia Belmoreana—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each.
Kentia Forsteriana—5-inch, 60c; 6-inch, $1.00 each.
Cocos Weddeliana—3-inch, $20 per 100; 4-inch, $50 per 100.
Araucarias—60c, $1.00, $2.00 and up.
Ficus Elastica—From 25c to $1.00 and up.

Fine Specimen Plants of above in larger sizes at low prices.

New Ageratum Princess Pauline—2-inch pots, 15c each.
Spiraea Japonica—25c each.
Lilium Harrisii—25c and 50c each.
Hydrangeas—50c, 75c and $1.00, each.

Special low prices on all kinds of Bedding Plants. Terms Cash or satisfactory reference.

JOHN BADER,
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Wholesale ...Growers of Plants...

All the Best Novelties in

Chrysanthemums, Carnations, Roses, Geraniums, Begonias, Etc

SEND FOR LIST.....

Special Offer of CARNATIONS.

1,750 McGOWAN,
1,400 WILDER,
400 PORTIA,
} Out of Thumb Pots.

Per 100, $5.00 f. o. b., Washington.

Chevy Chase Greenhouses, CHEVY CHASE, Maryland.

Evergreens, &c.

20,000 American Arbor Vitæ, 2 to 8 ft., specimens and hedging.
5,000 Pyramidal Arbor Vitæ, 2 to 4 ft.
20,000 Compacta, Globe and other dwf. Arbor Vitæs, all sizes.
3,000 Nordman's Silver Fir, 1 to 2½ ft.
2,000 European Silver Fir, 2 to 4 ft.
5,000 Hemlock Spruce, 1 to 4 ft.
10,000 Norway Spruce, 3 to 8 ft.
10,000 Retinosporas Plumosa, Plumosa Aurea, Squarrosa, and other sorts, 1 to 5 ft.
5,000 Irish Junipers, 1 to 2½ ft.
10,000 Pines, Austrian, Scotch, Excelsa, White and Dwarf Varieties, all sizes.
2,000 Euonymus Radicans Variegata.
1,000 Euonymus Japonica, 18 to 36 inches.
1,000 English Holly, 1 to 4 ft.
3,000 Mahonias, Aquifolia and Japonica.
3,000 English Ivy, strong plants.

Prices Low.
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FOR FLORISTS' USE.
AMMONIA..... 5 per cent.
NITROGEN..... 4.15 "
BONE PHOSPHATE.55 "

Pure Dried Blood,
AMMONIA.....10 per cent.
NITROGEN.....13.22 "
Write for Prices.

We also manufacture an ODORLESS LAWN FOOD

THE WALKER FERTILIZER CO.,
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FLORISTS' STOCK OF BEDDING PLANTS.

Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc.
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Water Lilies and Aquatics

We make a specialty of these favorites and our collection in both hardy and tender sorts is unsurpassed. Our list includes novelties in.....

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Selections made and estimates furnished for stocking large or small ponds, etc.

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ROSE PLANTS.

Brides, Bridesmaids and Meteors—
2½-inch.....$3.00 per 100, $25.00 per 1,000
3-inch.....$4.00 per 100, $35.00 per 1,000

All Stock Guaranteed to be First Class.

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P. O. Box 235. **TERRE HAUTE, IND.**
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A List of All Varieties upon Application.

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GARNATION, "EMPRESS"

The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

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Carnations

New Carnations

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

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MRS. C. H. PEIRCE.—Yellow.
35c each, $3.50 per doz., $25.00 per 100.
SNOW QUEEN.—White.
50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

F. Dorner & Sons Co.
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Kathleen Pantlind,

From Soil.....$10.00 per 100

FLORA HILL, from soil..... 5.00 "
BEAUTIES, 2½-in. pots..... 6.00 "
CARNOTS, " " ..... 4.00 "

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....PLANTS SURE TO GROW....

	Per 100	
Sword Ferns, 2½-3-4-in. pots	$1.00—$5.00—	$10.00
Cyperus Alt., 3-4-in. pots	3.00—	4.00
Dracæna Indivisa, 4-5-in. pots	10.00—	15.00
Vincas	6.00—	10.00
Fuchsias, assorted	2.00—	3.00
Heliotrope		2.50
Swainsona		3.00
Genistas, 2-3-in. pots	3.00—	5.00
Farfugium Grande		8.00
Pansies, in bud and bloom, $15 per m.		2.00
Carnations, from 2-in. pots	3.00—	4.00
Chrysanthemums, best varieties		3.00
Coleus, best kinds		2.50
Verbenas, best kinds		2.00
Geraniums, best kinds	3.00—	4.00
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WILLIAMS & SONS CO., Batavia, Ill.

INSURE AGAINST FIRE
IN THE

Florists' Mutual Fire..... Insurance Association

Address W. J. VESEY, Sec'y,
Fort Wayne, Ind.

EMPRESS

the Rich New **CRIMSON GARNATION.**

Perfect in color; always in demand. Good stock now ready, $10.00 per 100, $75.00 per 1,000, or $2.00 per dozen. Strong plants from soil. All the leading varieties.

GEO. HANCOCK & SON,
GRAND HAVEN, MICH.

New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

H. WEBER & SONS, Oakland, Md.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS** and Dealers in

FLORISTS' & SUPPLIES

Live Sphagnum Moss

For Orchids, etc., $1.25 per bbl.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

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THE OMAHA EXPOSITION.

Ten states have applied for space at the Trans-Mississippi and International Exposition, and all will have exhibits as fine as ever shown at any exposition.

The grounds will be well supplied with floral exhibits, as more than a score of the largest florists in the United States are sending some of their best material for use there.

A splendid aquatic pond is being constructed, in which will be grown three Victoria Regias and many other of the finest aquatic plants. This exhibit is made by Henry A. Dreer. Heat will be supplied by means of hot water, and the best conditions possible will be provided in order to make this a particularly good feature.

F. R. Pierson Co., Tarrytown, N. Y., will duplicate the magnificent display of cannas they made at the Tennessee Centennial in Nashville.

W. Atlee Burpee & Co., Philadelphia, will show the Burbank rose and Gloriosa cannas. W. W. Wilmore, Denver, Colo., will exhibit a set of his fine dahlias.

A very interesting exhibit will be that of the Sunset Seed and Plant Co., San Francisco, who will have a bed containing 162 varieties of sweet peas. A Blanc & Co., Philadelphia, will supply fine exhibits of cannas and cacti.

COLUMBUS, O.

There was a greatly increased demand for cut flowers at Easter. Prices about the same as last year, but were kept a trifle stiffer, and practically everyone cleaned out nicely. On Easter lilies the price was about 30 per cent. higher than last year. Some florists on the outskirts of the city cut their profits by selling lilies at 50 to 75 cents a pot, when there was no good reason to make such a low rate; still there was not so much price-cutting as last year. F. D.

THE Gurney Heater Mfg. Co., Boston, Mass., issued a very novel Easter souvenir. On opening the folder it was found to contain a life-like representation of the purple fruit of an egg-plant, inside of which was a small packet of egg-plant seed. The recipient is requested to plant tne seed and raise a commemorative egg-plant.

MR. A. LANGE, Chicago, has sent us a neatly printed pamphlet entitled, "The Language of Flowers," which he is presenting to customers as a souvenir. It is a very pretty adv. for a retail florist.

RICHMOND, VA.—The stock of the Richmond Floral Company was sold at auction April 15 to close the business.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.



Facts more eloquent than words,
C. S. A. awards highest of the year.
New York 95 points.
Boston 94 points.
Chicago 93 points.
Philadelphia 89 points.
First prize, white, in strong competition at Boston and Philadelphia shows, and certificated wherever shown.
The ideal commercial and exhibition bloom.
Price, 50 cents each, $3.00 per dozen, $20.00 per hundred, $150.00 per thousand.
Ready for delivery March 1st, 1898.

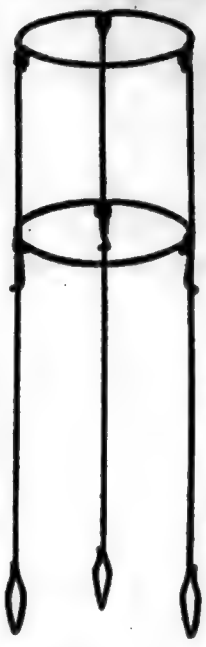
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.AMERICAN BEAUTIES.

Fine Plants, from 3-inch pots, $10.00 per 100, $90.00 per 1,000.

JOSEPH HEACOCK, - - WYNCOTE, PA.

The Model Extension Carnation Support



QUEENS, N. Y., Feb. 16, '97.
MR. THERON PARKER. Brooklyn, N.Y. Dear Sir:—I have tested your latest Model Carnation Support, and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.
Very truly yours, C. W. WARD.

FLATBUSH, BROOKLYN, N. Y., Feb. 18, '97.
MR. THERON PARKER.
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly, DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb. 18, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am, Yours truly, E. ASMUS.

Write for Prices, Circular and Special Discounts for early orders.

The Model Plant Stake Co.
THERON PARKER, Mgr., Inventor and Patentee,
22 Morton Street, BROOKLYN, N. Y.

ROSES! Own Roots, Dormant, Field Grown

In Cold Storage in Chicago.

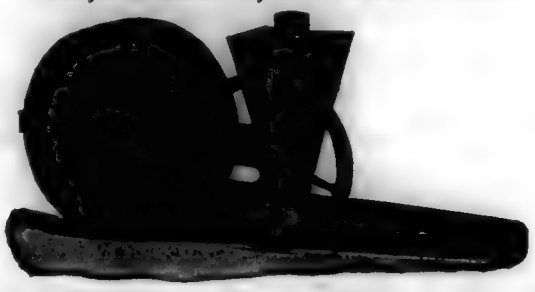
No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

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Far better, quicker and more effective than the bellows.
Warmly commended by all who have tried it.



Price $5.00, packed and delivered to Express Co. Satisfaction guaranteed.

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Address the Inventor,
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4-inch, $5.00 per 100; 2-inch, $2.00 per 100. All first class varieties, unnamed. Mt. of Snow, Happy Thought, Bronze, etc., 2-inch, $2.50 per 100.

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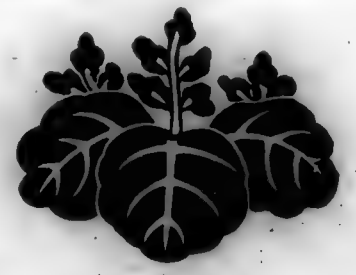
The finest you ever saw. Varieties: Black Prince. Purple Prince, Arabella—singles; Elm City, Snowball, Molesworth, E. G. Hill—doubles. Price, 2-inch, $2.50 per 100.

FISHER & SON, Galion, O.

...FOR SALE...

Arundo Donax Variegata, 50c per 100.

H. STEINMETZ,
RALEIGH, N. C.

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We beg to inform our customers that we have removed to

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Write for quotations on

JAPANESE BULBS, PLANTS AND SEEDS, for Fall Delivery.

SUZUKI & IIDA,

No. 11 Broadway, New York. | No. 3 Nakamura, Yokohama, Japan.

To Make Room.

Aster Plants.....at 60c per 100 or $5.00 per 1,000
Pansies, Transplanted, at 60c per 100 or $3.00 per 1,000
Salvia Clara Bedman.....3-inch, at $2.50 per 100
Salvia Clara Bedman....2½-inch, at $1.50 per 100
Petunias, Dreer's Strain....3-inch, at $2.50 per 100
Geraniums, choice mixed..3-inch, at $2.50 per 100
Feverfew, Little Gem....2¼-inch, at $1.50 per 100
Lycopodium Dent.....2¼-inch, at $1.50 per 100
Alternanthera Aurea Nana, 2¼-inch, at $1.50 per 100
Hardy Pink and White Pinks, strong clumps, at $4.00 per 100
John White Cannas.....4-inch, at $5.00 per 100
Strong R. C. Carnations, 20 varieties.

Above are all extra strong plants.

The Morris Floral Co.

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Rose Hill Nurseries

Largest Growers of Palms, Orchids, Stove and Greenhouse Plants, Ferns, Araucarias, Pandanus.

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Lettuce AND OTHER **Vegetable Plants**

Lettuce—Big Boston, Boston Market, Tennis Ball, Grand Rapids and Reichner's Forcing. 15c. per 100; $1 per 1000.

Pepper and Egg Plants 25c. per 100 $2 per 1000

Tomato, Cabbage and Celery—Small plants for transplanting now ready. 15c. per 100; $1 per 1000.

Cauliflower, Snowball—35c. per 100; $2.50 per 1000; if by mail add 10c. per 100 for small plants, add 50c. per 1000. Send for price list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums,** from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

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GET THE BEST

Our Prices are Low, considering the fine Quality of Stock supplied.
Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$2.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
Alyssum, T. Thumb and Giant dbl, 2½-inch pots	2.50	20.00
Begonias, fine assortment, 3-inch pots	4.00	35.00
Begonias, Vernon, 2½-inch pots	3.50	30.00
Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00

	Per 100.	Per 1000
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
German Ivy, 2½-inch pots	2.00	15.00
Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
Rooted cuttings	2.50	20.00
Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
Swainsona, Alba and Rosea (very strong), 2½-inch pots	4.00	30.00
Cannas—Fine assortment of leading varieties. Prices on application.		

Cash with order from unknown customers or c. o. d.
Orders amounting to $5 and over, f. o. b. New York City.

Wm. L. SWAN, Prop.
J. C. CLARK, Supt.

Seawanhaka Greenhouses,

P. O. Box 34. Oyster Bay, N. Y.

P. VOS, REPRESENTING

The Holland Bulb Co.,

Oegstgeest, Holland,

Is now in the United States on his annual trip. Please address correspondence to him, care of KNAUTH, NACHOD & KUHNE, corner William and Beaver Streets, New York City. Those wishing lowest quotations on Bulbs can have same from me, together with best references as to the quality of our goods. Yours truly, **P. VOS.**

DUTCH BULBS!

For Next Fall Importation. Ask for Copy of Catalogue.

L. C. Bobbink, Rutherford, N. J.

VanHeemstra & Co.

WHOLESALE BULB GROWERS,

SASSENHEIM, HOLLAND.

We can meet all competition on prices and quality.

WRITE FOR WHOLESALE PRICES.

Address until May 15th

KNAUTH, NACHOD & KUHNE,

13 William Street, NEW YORK.

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Not cullings but strictly A No. 1 strong, clean, well grown stock, and guaranteed free of all disease.

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MADISON, N. J.

Club Notes.

The members of Morris County Gardeners' and Florists' Society were out in full force at its regular meeting on Wednesday night. President Duckham in the chair wears the harness as a veteran and all goes as merrily as marriage bells. The society secured some valued acquisitions to its fast growing body of membership by the election of Messrs. C. A. Work and H. Hentz. W. Whalen and D. Falconer were also elected.

The co-operative purchasing scheme is making substantial progress in the hands of its committee, and a full report thereon was promised for next meeting.

John Jones exhibited some fine Brunners and J. Davies brought a magnificent calceolaria; the plant large and well flowered, though only in a 5-inch pot.

The competitions, as arranged for at the monthly meetings promise to give an impetus to the society's work, and a committee was appointed specially to develop this new feature.

The essayist of the evening was Mr. A. Herrington, who gave a long and most interesting talk on "Insectivorous Plants," his remarks being well illustrated with specimens of droseras, nepenthes and sarracenias, besides large drawings showing the different processes by which all these plants attain the same desired end, that of obtaining the essential nitrogen for their sustenance.

We give elsewhere a more detailed notice of the subject. "Tell it not in Gath," but set it down to the gory nature of the evening's talk for the rumors of a hot "mix up" are well founded, and not till the evening train of the following day did one of our visitors depart after having finally located and secured his Knox (size 7½), while the others have yet to be heard from.

WE HAVE RECEIVED from the Pierce, Butler & Pierce Mfg. Co., Syracuse, N. Y., a copy of their latest pamphlets regarding radiators and valves. It is very handsomely illustrated and printed. This firm is the maker of the well known Spence hot water heater.

WHENEVER you need any trade supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

BUY YOUR supplies from the advertisers in The Florists' Review, and thereby increase the earnings of your certificate.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

Last Call For Field-Grown Roses!

ORDER BEFORE IT IS TOO LATE.

We still have to offer an exceptionally fine lot of

HYBRID PERPETUAL ROSES,

extra strong field-grown plants of the very finest sorts, such as **Mrs. John Laing, Ulrich Brunner, Mme. Gabrielle Luizet, Paul Neyron, Magna Charta, Gloire de Paris, Baroness de Rothschild, Gen. Jacqueminot, etc.** This is fine stock for potting for late spring sales or for out-door planting—fine strong blooming stock. We offer it as long as unsold at **$12.00 per 100.**

We have to offer also, a magnificent lot of

YELLOW RAMBLER ROSES,

strong dormant plants, 3½-inch pots, **$10. per 100;** 5-inch pots or strong field-grown plants, **$20.00 per 100.**

We offer also fine strong field-grown plants of

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We have a large stock of extra strong field-grown plants of **CLEMATIS**—finest sorts—**Mme. Ed. Andre, Jackmanii, Henryii,** and **Hybrida Sieboldii. Price, $30.00 per 100.**

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AZALEA MOLLIS—extra fine, well budded plants, very bushy, **$35.00 per 100.**

We have also a few thousand **SPIRAEAS** left, which will make nice stock for potting for Decoration Day. Can offer strong clumps as follows: **Spiraea Astilboides Floribunda,** $5.00 per 100; case 250 clumps, $10.00. **Spiraea Compacta Multiflora,** $3.00 per 100; case 250 clumps, $12.50.

See our special offer of **HYDRANGEA OTAKSA** in last week's Review. This offer will hold good for this week. We sold a lot of this stock last week, and will hold the same offer open for another week. If you want any Hydrangea Otaksa, now is the time to buy it. Full particulars in last week's ad.

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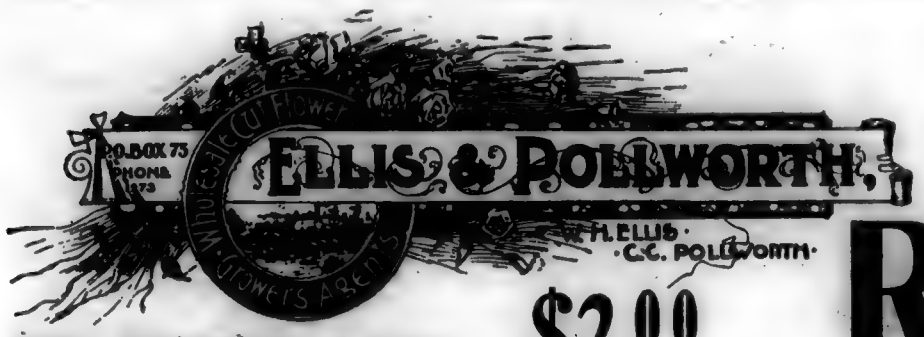
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Glory of Pacific, Maud Dean, Mrs. R. Crawford, W. P. Raynor, Modesto, Lenawee, Pride of Castlewood, Bonnaffon, Ivory. Ruth Ellis, etc., **50c per doz.; $3.00 per 100.**

Frank Hardy, T. H. Spaulding, Mrs. O. P. Bassett, The Yellow Fellow, Madeline Pratt, Mrs. C. H. Peirce, Merry Christmas, **35c each; $3.00 per dozen.**

Snow Queen, Pennsylvania, **50c each; $5.00 per dozen.**

W. H. Chadwick, **$1.00 each; $6.00 per dozen.**

CARNATIONS

Jno. Young, Bon Ton, Mrs. Jas. Dean, White Cloud, New York, Empress and Evelina, **$2.00 per doz.; $10.00 per 100; $75.00 per 1000.** Daybreak and Storm King, fine, from soil, **$2.00 per 100; $15.00 per 1000.** Scott and McGowan, **$2.00 per 100; $12.00 per 1000.**

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Prest. McKinley, Defender, Prest. Cleveland, Tarrytown, **60c each; $5.00 per doz.** Queen Charlotte, Admiral Avellan, Prest. Carnot, Midway, Ami Pichon, Egandale, Chas. Henderson, etc., **$2.50 per 100.** Eldorado, A. Billard, Burbank, Count de Banchard, Souv. de Prest. Carnot, Souv. de Antoin Crozy, Papa, **$4.00 per 100.**

For full d scription see our 1898 Wholesale List.

THE COTTAGE GARDENS, QUEENS, L. I.

HERR'S Experiences .....WITH Carnations

READY NOW.
Send for them—they are sent free.

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$5.00 per 1000; 75 cents per 100.
Samples, Ten Cents.

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The Best Money-Maker Among Violets.
Strong 2½-inch pot grown plants, $5.00 per 100.

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A new departure in Tuberose growth. Flower bearing buds continue to form around the old flower stalk indefinitely. Flowers greatly superior to those of all other single Tuberoses. Awarded Certificate of Merit by the S. A. F. at Providence last August, and the Shaw Gold Medal at St. Louis in November.

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Surplus Stock of Hydrangeas, Geraniums and Coleuses. Hydrangea Empress Eugenie, best pink market sort, fine stock, coming in bud, 6-inch pots at $35.00 per 100; 5-inch pots at $20.00 per 100; 4-inch pots at $10.00 per 100.

Geraniums, good pink market sorts, $5.00 per 100, 4-inch pots. Coleus Verschaffeltii, stock plants, $2.00 per 100.

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THE FLORISTS' REVIEW.

Always mention the **Florists' Review** when writing advertisers.

WHEELING, W. VA.

Easter trade this year increased 40 per cent. over last year. There were heavy calls for cut flowers, not enough to supply the demand, especially carnations and violets. Roses were handled in fine quality and large quantity and sold readily at $2.50 to $4.00. Beauties sold as high as $10 per dozen. Carnations brought 75 cents to $1.00 per dozen.

Easter lilies all sold out at noon Saturday. Palms and other plants also sold well. A few fine azaleas were handled by the Huscroft Bros., and sold at excellent prices. The florists all around seem to be well satisfied with their Easter trade.

Wm. F. Kasting, of Buffalo, N. Y., spent a couple of days with Huscroft Bros., and showed some fine Genesee carnations. It is an excellent white, and hope it will do as well with us this coming season. All the florists here are going to try it. H.

LOUISVILLE, KY.

Easter trade in Louisville was good, all the retail stores selling out clean. Mr. Jacob Schulz had a large trade in bulbous stuff. Mr. Fred Haupt had one of the best decorated stores in town.

Mr. Ed. Reimer reports a large business at his store near Cave Hill, selling quantities of lilies, hyacinths and tulips. Mr. J. E. Marrett also had a large quantity of cut flowers in fine condition.

Rain on Easter Sunday from 11 a. m. until night kept people from visiting the cemeteries and damaged the business of those florists in their vicinity.

KY.

SMILAX.

According to M. Georges Truffaut, in the French Revue Horticole, Myrsiphyllum asparagoides (smilax) contains a larger percentage of nitrogen than any other plant he has examined. It is also rich in chlorine and sulphuric acid. M. Truffaut accordingly recommends the application of a fertilizer containing a mixture of sulphate of ammonia, nitrate of soda and ammonia hydrochlorate (the proportions are not stated), and applied in solution at the rate of two grammes per liter. In subsequent years, phosphoric acid and sulphate of potash may advantageously be added to the nitrogenous manure.

SEND IN your order now for a copy of The Florists' Manual, by William Scott. It will cover the whole field of commercial floriculture and will be the standard work of reference for the trade. Price $5.00.

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CORNELIUS S. LODER, Secretary.
Collections, Credits, Etc.
271 Broadway, - - NEW YORK



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SPECIAL OFFER OF
... DORMANT STEMS ...
Cycas Revoluta
(Sago Palm)

HAVE YOU GOT OUR WHOLESALE CATALOGUE? MAILED FREE TO ALL FLORISTS.

Our importation of Cycas stems has arrived in excellent shape, and planted now, will under the most ordinary conditions, make fine salable plants in Autumn. We are especially strong in the smaller sized stems that weigh between four and ten pounds each, and which will not only make nice decorative plants, but which meet with a ready sale in the retail trade.

Price in lots of 250 lbs. or less, 10c. per lb.
SPECIAL PRICE on larger lots.

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Plant Auctioneers,
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Palms, Bedding Plants, Bulbs, etc.
SALES EVERY TUESDAY and FRIDAY
SEND FOR CATALOGUE.
Auctioneer, J. P. CLEARY.

Seeds Bulbs Plants
FOR THE FLORIST

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Violet and Carnation Specialists
Write for prices.
Grand Rapids, - - Michigan.

Rooted Cuttings With Roots

GERANIUMS.
Our selection from set of twenty choice varieties, newest and best, $2 per 100; $15 per 1000.

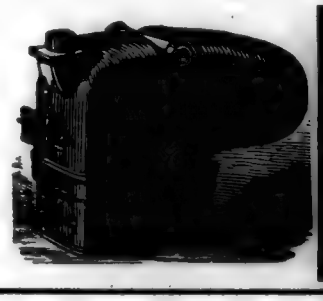
COLEUS.
Our selection from set of ten best bedding and fancy varieties, 90 cents per 100; $6 per 1,000.

Cost a few cents more than some others, but we send you no weak or unrooted cuttings. Cash with order. If you want special varieties write.
A few Pansies, best strain, 60 cents per 100.

ALEX McBRIDE, Alplaus, N. Y.

ALTERNANTHERAS R. C. A. Nana, P. Major, R. Nana, 75c per 100, $5 per 1,000.
BEGONIAS in variety, 2 inch, $2.00 per 100, 2½ inch, $2.50 per 100.
GERANIUMS Bruant, 2 and 2½ inch, $2.00 per 100, Rooted Cuttings, $1.00 per 100.
CANNAS nicely started, Mme. Crozy. P. Marquant, L. E. Bally. In assortment, 80c per doz., $2.00 per 100.

A. J. BALDWIN, Newark, O.



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Do You Know

that prominent growers and florists have achieved very satisfactory results by the use of JADOO FIBRE and LIQUID on the plants you are now most interested in.

Chrysanthemums Gloxinias
Begonias Carnations

?

....HERE IS WHAT THEY SAY....

THE PENNROCK CO.
Wilmington, Del.

"In regard to your inquiry about Jadoo Liquid and Fibre we beg to state that we used it this last season with good results. We grew our exhibition plants of Chrysanthemums, which took first prize at the Pennsylvania show, in soil up to ten-inch pots. In those sized pots the plants became very sick and all the leaves turned yellow. We then shifted them into Jadoo Fibre, and the result was simply wonderful. The plants quickly regained lost vigor and the leaves gradually assumed their natural green color. On becoming pot-bound, we used the Liquid twice a week, and this was all the fertilizer we used. We have had excellent results also with Asparagus Sprengerii, Crotons and large Ferns grown in the Fibre, and shall use it more extensively hereafter."

JAMES S. REID,
Philadelphia, Pa.

"Throughout the past winter and spring I used Jadoo for our Hydrangeas, Begonias, both tuberous and fibrous rooted, Gloxinias, Crotons, Geraniums, Fuchsias, Ficus, Pandanus, Lilies, Roses, Carnations, and the host of other plants usually grown by the commercial florist, and it proved all that was claimed for it by the introducer; the plants grown in Jadoo being uniformly superior to those grown in ordinary loam."

GEO. MIDDLETON,
Wyncote, Pa.

"I have been using Jadoo for several months with great success. Some of my Chrysanthemums which won first prizes at the exhibition of the Pennsylvania Horticultural Society last November were grown in Jadoo Fibre, and I noticed that the foliage was much darker than in the others, and clean to the bottom. My single bloom Chrysanthemums are grown in four-inch pots and measure six inches from tip to tip."

E. T. DENHAM,
Gloversville, N. Y.

"I have potted a choice lot of seedling Chrysanthemums in the Fibre and they are doing splendidly. The Geranium Cuttings struck very quickly—in fact, I am satisfied that it is a very good thing for florists."

C. W. EICHLING,
New Orleans, La.

"The prize-winning Gloxinias, watered with the Liquid, were the finest ever exhibited here."

ALEXANDER MACLELLAN,
Newport, R. I.

"Tuberous Begonias, which with me usually take twenty-one days to germinate, were sprouted in eight days."

A. M. HERR,
Lancaster, Pa.

"I have experimented in a small way with Jadoo Fibre for propagating Carnations, and find that with ordinary care they root one hundred per cent. Next season I shall use it almost exclusively for propagating my Carnations."

LATE CUTTINGS.

"Any good strong grower, such as Flora Hill, Triumph, Armazindy, etc., will make plants sufficiently large for planting in from well-rooted cuttings direct from the sand as late as May first. They should be planted in good rich soil, and to make assurance doubly sure, I would recommend the following: Get some Jadoo Fibre, mix it up with water to form a sort of mush, then let one man go ahead with a hoe, clipping out a hole where you intend planting; then a second man follow with a bucket of this mixture, dropping a handful in each hole, then a third to follow with the plants (dashing a half inch or so of soil over the Jadoo), and then planting the Carnation Cuttings into it. This will give the Cutting a chance to start without wilting, no matter what the state of the weather. The Jadoo will give them just enough help to make fine plants in the fall."
—*Extract from Mr. Herr's 1898 Carnation Catalogue.*

The American Jadoo Co.

817 Fairmount Ave., PHILADELPHIA, PA.

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ROSE SHOW IN GERMANY.

An exhibition of roses will be held at Frankfort-on-the-Main, commencing in the early days of June next, and lasting, weather permitting, till October. It is the intention of the proposers to make it the finest exhibition of the kind that has ever been held. Herr C. P. Brascheim is the director.

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You turn the Crank

Our Apparatus does the rest,
And does it easily, quickly and perfectly

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A GROWER CAN MAKE
WILL PAY LARGER
RETURNS THAN
GOOD
VENTILATING
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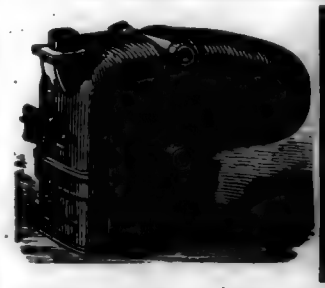


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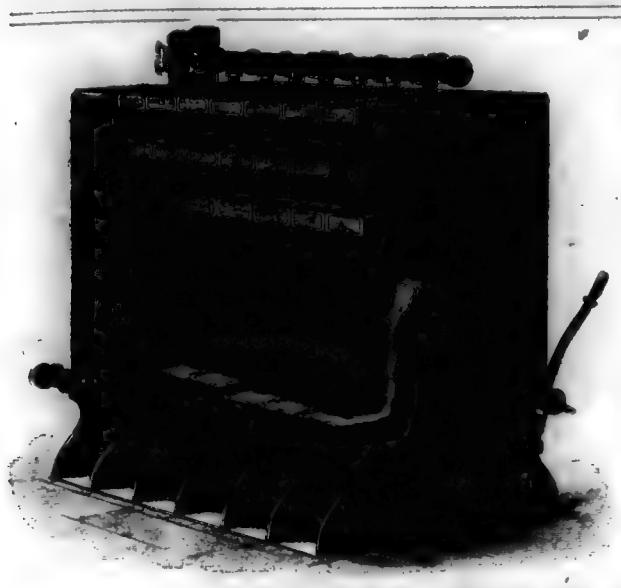
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- Minimum friction.
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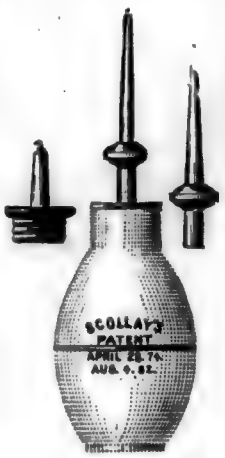
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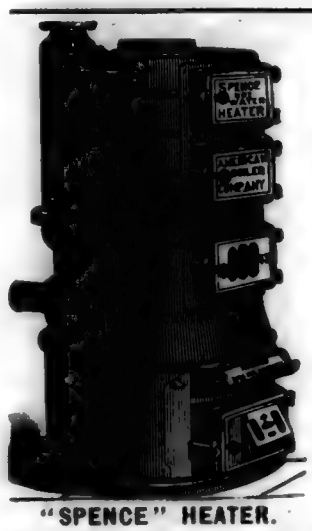
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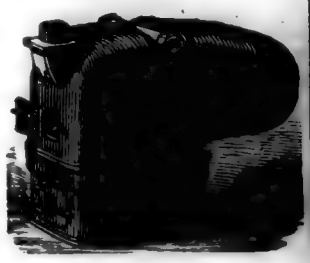
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BEDDING PLANTS.

[Read before the Chicago Florists' Club, April 28, by Mr. C. J. Stromback, head gardener of Lincoln Park.]

I have been requested to prepare a paper on bedding plants for this meeting. The subject, I think, has been pretty well thrashed out already, but as you wish me to say something, I will state what plants we use for bedding in Lincoln Park.

For early spring effect tulips, hyacinths and crocus are planted the fall previous, in fields of separate colors or in mixture. The effect is good and pleases the general public for a couple of weeks. Pansies are also in bloom at the same time. I sow the seed at Christmas, grow them along all winter, and by doing so I get them to endure the heat better than the fall sown plants, which are more slender and wiry, and so cannot stand the hot weather as well as those grown in the winter. After tulips are ripened off they are taken up and stored away, the beds are manured, dug and planted with geraniums of varieties suitable for bedding. Our leading varieties are: Mrs. E. G. Hill, salmon pink; La Favorite, double white; Bruant, scarlet; Rev. W. Atkinson, dark velvety scarlet; Invincible, semi-double crimson.

Ageratum Cope's Pet blooms all summer if not given too rich soil or too much water. Begonias are valuable as bedding plants; they will bloom from spring till fall if fairly strong at planting-out time. The treatment of the begonias was described in the Florists' Review this winter. Torenia Fournieri is also a good bedder, and if not sown too early—say middle of March—will bloom till frost. Its pretty violet purple, pansy-like flowers, marked with yellow in the throat, are by some persons called "Johnny-Jump-Ups."

Pentstemon campanulatus varieties are effective for bedding. They are grown from seed or propagated from cuttings; fairly strong plants in 3-inch pots will bloom early and continue till frost; the roots can then be taken up, trimmed back and the plants kept in a temperature of 55 or 60 degrees through the winter, when the plants can be again used for bedding. Vinca alba, Vinca alba-oculata and Vinca rosea are elegant bedders; they flower all summer and have grand dark-glossy foliage, making a fine contrast with the flowers.

Ten-weeks stocks are good for early bedding, if well grown. We sow the seed in the latter part of January, prick out in boxes when big enough to handle, plant in 2½-inch pots after fourth or fifth leaf appears, in sandy loam. When well rooted in this, pot up in 3-inch pots to remain till planting-out time. As soon as flower buds appear we can select the double ones to be planted out. They make a grand show till the middle of July, when they must be replaced by Celosia cristata nana, which are in 4-inch pots at that time and remain in good condition till fall.

Single petunias of good varieties are



View in the store of Mr. W. J. Smyth, Chicago, at Easter.

useful for bedding, as they give a profusion of flowers all summer. Gomphrena globosa is valuable for its heads of brilliant and enduring tints. Phlox Drummondii, if sown in April, will bloom till fall, but if sown earlier it will lose its vitality in the latter part of August and must be replaced by something else. Verbenas have been used in park bedding to good advantage in years past, but for the last few years in the latter part of August they became mildewed, which injured the effect of the garden.

Cannas are used to a great extent here and produce a brilliant effect with both flowers and foliage. I have forty varieties, but the most prominent at present are: Egandale, Chicago, Florence Vaughan, Stella Kanst, Madame Crozy, Souvenir d'Anton Crozy and Queen Charlotte. All of these are, as you all know, great acquisitions to the flower garden, because of their great blooming effect. Carpet bedding is still retained to some extent to please the general public, but we draw a little away from it each year.

A great many annuals that I used to grow for bedding in the Old World are not of much use in this climate, as their duration is short when hot weather sets in, and we must try to keep our beds in presentable condition all summer, without too much labor. There is no doubt in my mind that our flower garden and bedding will receive some of our most beautiful perennials in time, but we go a little slow, because if we go too fast we may be condemned by the public as it has become accustomed to the present system or fashion.

Now, gentlemen, I think I have said enough about bedding in our park, as the subject has been pretty thoroughly written up in the Florists' Review.

In the discussion that followed Mr. Stromback was asked as to his experience with crotons for bedding. He replied that they had not proved satisfactory with him. They could not be planted out till the middle of June, and those he had tried did not color well outside.

He was also asked how he got such superb growth on the plants in the numerous large rustic stands that are a feature of the park. He replied that he filled the stands with good potting soil and then added a 5-inch pot full of bone meal to each. He had formerly used horn shavings, and with them he secured a quicker effect, but the bone meal was more lasting and carried the plants well through the season. Asked if he used any drainage, he replied no. That the difficulty was to supply sufficient moisture. He spoke of the plants used in filling the stands and mentioned especially Calceolaria annua as a plant that he used with excellent effect and had not noticed so used elsewhere.

Another question was as to feeding hardy water lilies. He answered that where new soil was not given he placed over the surface a layer of bone meal about an inch thick, and this was dug into the soil. They are very strong feeders.

Mr. Stollery spoke of difficulty with the Bruant type of geraniums, the plants growing vigorously but failing to bloom. Mr. Palinsky had noted the same trouble. No one was able to offer an explanation or a remedy. Mr. Stromback has had trouble from the devastations of a white worm that enters the stem of the geraniums when bedded out and eats out the heart of the stem, eventually killing the plant, but knew of no sure remedy.

Mr. Stromback has his pansies and daisies already bedded, and the next beds to be planted will be of Portia carnations. He finds Portia a good bedder, the color being bright, flowers freely produced, and habit such as to require no staking. He propagates in November and the plants will be bedded out from 3-inch pots. He does not care for the Margaret type of carnation for bedding. The flowers are not good enough; they have no fragrance and the growth is too rank. In the case of carnations, they should never be planted twice in the same soil, or results will be unsatisfactory.

He will soon plant a few beds of ten-week stocks. Referring further to the culture of these, when the seed is sown he keeps the flats in a temperature of 60 degrees, but when the little seedlings are pricked out he places them in a temperature of 50 degrees, and are kept in this temperature as nearly as possible till planting-out time. They must be sparingly watered, for if overwatered they will be affected with club root. Cheap seed of this plant is a very poor investment, as the percentage of single-flowered plants will be large. Even with the best seed there will be from 25 to 30 per cent. of single flowers, and the poorest grades will be nearly all single and worthless. The singles can be sorted out from the doubles and thrown away as soon as the flower buds begin to show. Pluck a bud and place it between the teeth. If, when you close your teeth, it is like biting into soft bread, the flower is a double one, but if it is as though the bud contained some gritty sand, the flower is single. What makes the gritty sensation is the embryo stamens, which are absent in the double flowers. Mr. Stromback finds this test absolutely reliable, and throws out at once all plants whose buds are gritty when crushed by the teeth. The seed can be had true to color and he generally plants his beds in rows of red, white and blue-flowered plants. The plants begin blooming the latter part of May and continue in bloom till the beginning of July. He then plants the beds with celosias among coleuses, the whole bordered with Cineraria maritima candidissima.

Verbenas are planted soon after the stocks. He doesn't use many now, as he has much trouble from mildew. He uses seedlings only, as plants from cuttings are sure to be rusty. He uses several beds of single-flowered petunias and they make a good show all summer. He puts out the general run of bedding plants about May 20. Cannas are bedded about June 1.

He has tried Cannas Italia, Austria and Burbank, but considers them valueless for bedding here. The flowers are beautiful when first seen in the morning, but on a bright, sunny day are all bleached out by 2 p. m. He considers Austria the best of the three and will retain a few plants of it for variety, but will not attempt to use it in bedding.

A GEORGIA NURSERY.

Favored with glorious weather, I paid a visit to the famous Fruitland Nurseries of Mr. P. J. Berckmans, Augusta, Ga., who, by the way, has recently incorporated the business, associating with himself as president his three sons, who have been connected with the business for several years.

Approaching the main entrance, one passes through an avenue of magnificent specimens of Magnolias gloriosa, ferruginia and varieties, forming a drive one-fifth of a mile in length, at the end of which is seen the residence of the proprietors, guarded by a splendid Cedrus Deodara standing alone and erect upon the lawn. On either side are noble examples of Ilex opaca, some 30 feet high, and Libocedrus decurrens. Arriving at the office, attached to and connected with the residence by telephone, which is the means of communication with the principal points on the four hundred acres of nursery grounds, I alighted, and, placing my Arabian steed in charge of a sable attendant, was not long in finding the genial senior member of the firm, who had just returned from a tour of Florida and was chock full of Irish stories and plant lore.

Deliberation and thorough system being the order of the day in this establishment, I will endeavor to follow suit in penning these notes, commencing at the houses, which I observed had all been recently raised to give more head room, and with undoubted benefit to the plants contained therein. It is almost incredible the extraordinary growth of many plants in one season, almost as if by magic. For instance, I saw a plant of Bougainvillea Sanderiana planted in a bed in the house which one year's growth had carried through a ventilator and out onto the roof, where it had spread and flowered profusely. Referring to the vigor of this plant, Mr. Berckmans said he had noted a specimen at Palm Beach, Fla., only eight months old, which was three feet through and bore at least a thousand blossoms.

Every species of palm that will thrive in the south is grown, Indian azaleas and camellias in large numbers, some dozen varieties of the orange all grafted upon the Limonium trifoliatum, which, in addition to being an excellent stock to graft the orange upon, makes a splendid hedge

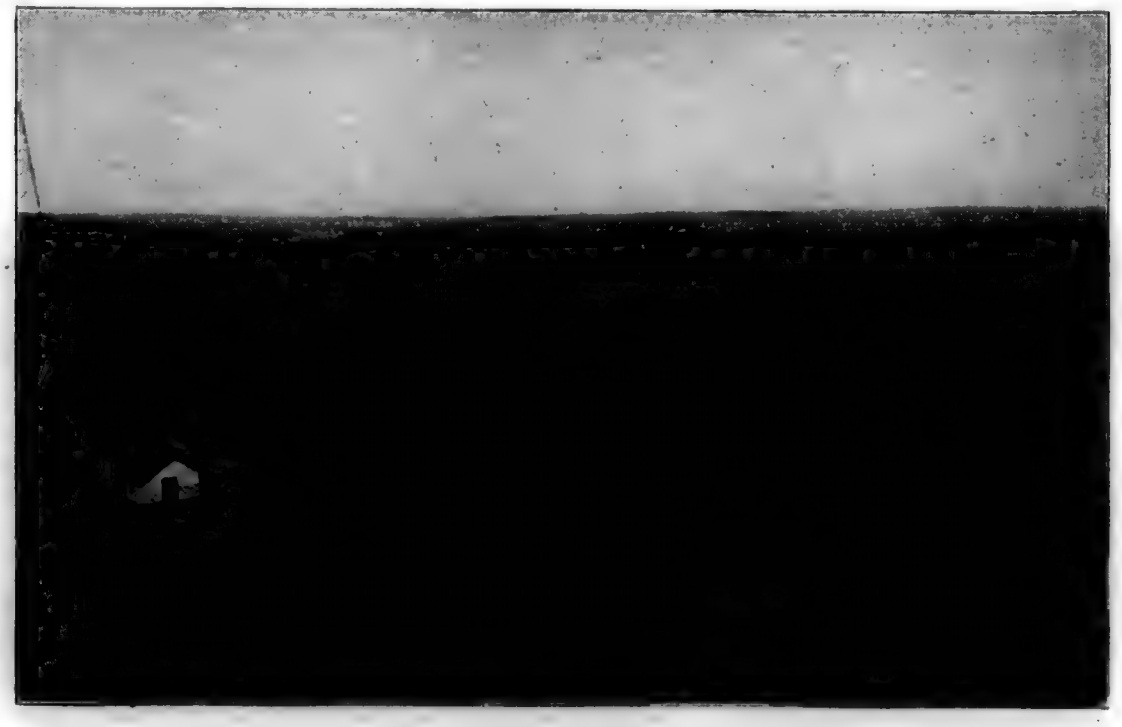
plant, through which it is impossible to make a break. Another is Ligustrum amurense, which is far superior to L. ovalifolium, in that while the latter takes on a brownish tint in winter, L. amurense retains its vivid green color; it is also a much more rapid and compact grower.

Gardenia florida and Olea fragrans are raised in quantity, but there are not enough to meet the demand for these favorites. These are located in frames, in which are also some two hundred thousand privet cuttings, and tea roses by the ten thousand. A large area is devoted to a trial ground, where the many new plants annually imported are tested as to their adaptability to this climate before sending out. The land is rolling and embraces several kinds of soil, from sandy loam with a red subsoil to black peat in bottoms, where, under the protection afforded by pine belts, such plants as azaleas, rhododendrons, camellias, the more tender sub-tropical plants and many kinds of conifers are sheltered.

Evergreen shrubs form one of the most important items at this establishment, one acre being alone planted with conifers from 2½-inch pots; 25,000 of the pretty Biota nana and the newer Biota filiformis japonica (Veitch) are at the head of the long procession of this interesting class. Owing to the nature of the soil, aided by a high state of cultivation, roses and fruits attain in one season wonderful growth, both in root and branch. Vast numbers of both are grown. I can easily imagine that to see the roses in bloom and to sample the luscious fruit in season is a delight to be long remembered. Of the long list of roses, one that is particularly superb as a hedge plant is the polyantha Marie Favie. It is almost as strong as the brier and quite as fragrant. I noted a grand orchard of pears, maintained chiefly for grafts, but at the same time yielding profitable crops of fruit. Kieffer, Le Conte and Bartlett were the leaders. In ornamental plants I noted especially the rare red-flowering yucca (Hesperalaea yuccafolia), and Osmanthus ilicifolius, a beautiful shrub bearing pure white blossoms when in bloom.

Commenting upon the season, Mr. Berckmans said it has been the best in the history of the house. Two gangs of packers were kept busy night and day to handle the heavy orders. The shipping and office arrangements are most complete in every detail.

I cannot pass without noticing a substantial part of the establishment, the six brothers Skinner, none of whom is less than six feet tall, and one almost seven feet. They are an apt illustration of the productiveness of the soil, and may well be termed the six of spades, each being a knight of that useful tool. The heavy work, however, is done by machines, thus effecting a great saving in labor. The help is comfortably quartered on the estate, their domiciles, dotted here and there, being quite picturesque.



Looking South.



Looking East.

FRUITLAND NURSERIES, AUGUSTA, GA.

An abundant supply of water is obtained from a series of springs. As I stood upon one of the magnificent bluffs and surveyed the superb surrounding country, with the hills of South Carolina looming up in the distance, I could but admire the sagacity and foresight of the hospitable head of the firm in selecting such an ideal spot in which to carry on an immense and flourishing business. W. M.

NOTES FROM A GEORGIA NURSERY.

Magnolia Grandiflora—This type has many forms, amongst the most conspicuous of which are the following:

Gloriosa—Flowers of immense size, frequently 12 inches in diameter, and usually with three more petals than the type; foliage very large and stocky.

Ferruginia — So called from the brown, rusty undersurface of the leaves; flowers with rounded petals, of medium size.

Oxoniensis—Flowers very large.

De La Gollissoniere, or Nannetensis — Very large flowers, sometimes with an extra row of petals.

The above varieties must all be propagated by grafting in order to have them true, as they sport from seed. Grafted plants usually bear flowers when two to three feet high, and are, therefore, very desirable for northern sections. All are hardy as far north as Washington, and some specimens are reported hardy near Philadelphia.

Hesperalaea Yuccafolia, or Red Flowering Yucca — This species was described by Prof. Engelmann more than thirty years ago. It is a native of western Texas and northern Mexico, but does not seem to have been introduced to cultivation until some twelve or fifteen years ago, when we received plants of it. The flower stalk appears about May and produces a continual series of flowers during the summer and until late in the fall, each individual flower lasting from six to eight days. It is a showy plant, but very slow in propagating, as the best way is to increase it by division. Seed pods form very seldom and seedlings always come true.

Limonium Trifoliatum, or Hardy Japan Lemon [Synonyms: Pseudaegle sepiara, Citrus trifoliata, Citrus triptera, Karatachi (Japanese name)]: This plant has been known in botanical collections for many years past, but its value as a stock for oranges was only lately discovered here, when plants of the Kum Kwat orange sent us by Dr. Geo. Hall from Yokohama in 1873 were found to be grafted upon the Citrus trifoliata. We immediately began to propagate the best varieties of Florida oranges (taking a hint from our Japanese friends), and in a few years Florida orange growers reported through their horticultural papers that this stock caused nearly all oranges to withstand more frost than trees of the same varieties budded upon either the sour orange or wild lemon.

But its great value as a stock is that it dwarfs the graft in the same manner that the Paradise does the apple, and this produces plants eminently suited for pot culture, a two-year graft usually setting fruit, and plants three to four years old and not above three feet high can carry a crop of from 10 to 20 large oranges. Trees grafted upon the lemon or sour orange stocks do not take kindly to cramped quarters, and as they require large tubs and much room, they are often undesirable for small conservatories. This is obviated by using the Citrus trifoliata, and a plant in an 8 or 10-inch pot laden with large, luscious fruit demonstrates the value of this class of plants.

As a hedge plant for defensive purposes, it is destined to supersede any of the thorny species heretofore used for that purpose. It is of rapid and compact growth, remarkably easy to transplant, free from insect depredations or diseases, and does not throw up suckers. Though deciduous, the vivid green color of the bark gives the hedge a bright appearance in winter. Hedges planted in good soil and properly cared for will at their third year be so compact as to prevent a rabbit from coming through, and are a formidable barrier to man and beast. Being hardy as far north as the latitude of New York city, it is, therefore, one of the most desirable plants for protective hedges. P. J. BERCKMANS.

Fruitland, Augusta, Ga.



Field of the Polyantha Rose Marie Favie, at Fruitland, Augusta, Ga.

VIOLET NOTES.

The issue of The Review for the 28th is just at hand, and I find that I or the printers have made a little mistake, which makes me say what I do not mean. The sentence commencing, "More plants," etc., should read: "More plants can be grown on a given piece of ground, as one can plant closely, and then, too, a 'horse' cultivator," etc., not "hand" cultivator. This, as will be seen, quite changes the meaning.

With us it has continued to rain more or less all the week — mostly more—so that we have been unable to do anything to the fields preparatory to planting. Care should be taken not to neglect the young plants as a consequence, as is the natural inclination with the increasing spring work and need of room. One is frequently tempted to relegate those which are pricked out in flats under the edges of benches, etc., but don't do it, as the results are soft, drawn plants; first over watered and then over dry, and by the time you are ready to plant out you have a poor plant in some one respect, if not more than one.

We think it better to give them too much air and light, rather than err on the other side. Therefore, if you have not room in the house, or cold frames for them, find some place sheltered from too strong winds, and where they can be conveniently watered outside of the house. Extra caution will have to be used about watering, as they will dry out so much faster than in the house (unless it rains all the time, as for the past week). This treatment will harden them off, and they will bear transplanting into the open ground much better than if taken directly from the houses.

Some growers advocate buying your stock every season, claiming that they have better flowers thereby. We have not experimented largely in this line, not having had good results in what we have tried. However, we have ordered some stock from different localities to try again this season, and we shall try part of each lot, both inside and out of the houses. I shall be disappointed if they do well the first year, for, as I have before stated, our experience is that it takes one or two seasons for them to get acclimated, so to speak. However, we shall watch the development with interest. We hope that others will try the same method and report the results, as we believe that this department would be of much more use to growers if such things were freely discussed, and anything out of the ordinary line reported for the benefit of all.

R. E. SHUPHELT.

SHEEP MANURE FOR THE LAWN.

I have a quantity of sheep manure, and thought of using it as a fertilizer for the lawn. Would you advise using it for this purpose, and if so, in what way, to obtain best results? E. W.

Sheep manure is a good grass fertilizer and an application of 600 pounds per acre, or even more on certain soils, would be all right. A cheaper fertilizer (cheaper as regards the amount of plant food per dollar of cost) could be compounded by any dealer in fertilizers. The best proportions would be 6 per cent. nitrogen, 5 per cent. phosphoric acid (available), and 3 per cent. potash. According to a simple rule, this figures $26 per ton, and may be applied at the rate of 200 pounds per annum per acre in two applications, say one now and another two months later. Finely ground tankage contains about the proper proportions of plant food for lawns and it can be had from $18 to $24 per ton. J. A. P.

MISCELLANEOUS SEASONABLE HINTS.

Chrysanthemums.

A subscriber, "S W.," sends the following: "Which is the best culture for chrysanthemums raised and planted in a greenhouse? If you desire very big flowers, must there be any pinching done, or do you allow just one single stem for each plant? When is the best time for planting them in the bench?" A very few weeks ago there apeared in The Review a rather exhaustive article on chrysanthemums whieh covered all the points of inquiry, but evidently "S. W." has not been a "constant reader." Briefly, to answer these questions I would say, plant at once in 5 inches of rather neavy loam, with a fifth of animal manure added, and bone flour in the proportion of one quart to two bushels of soil; plant firmly. No pinching must be done; let the main growth go right up, only keeping all side or lateral growths pinched off. For specific instructions about watering, ventilation, disbudding, and other essentials, please look up No. 19 of Florists' Review.

Spreading and Standing Over Plants.

After the last shift has been given to geraniums, fuchsias, pelargoniums, cannas, and much other spring stock, your labor is not nearly done by simply watering. This is just the time that many plants, and most plants, unless hindered by a shady house and the absence of artificial heat, will make a rapid growth. It is the season of vigor that suceeds a semi-hibernating state. Standing over and giving more room to a batch of plants costs so little that it should never be neglected. A very slow man will stand over and space 4,000 geraniums in ten hours. Supposing he received $2 per day, and the boy that helped him $1, that would be 75 cents per thousand. By giving them another inch of space, removing a yellow leaf here and there, and perhaps a too-early flower that you don't want to mature, you have added at the very least $1 per hundred to their value, and most likely much more. Still, if you see a batch of drawn-up, leggy, sickly-looking plants, the owner says: "They would have been better, but I didn't have time to give them a move-over."

Many of our bedding plants, geraniums, coleus, cannas and others, should have no shade, but in the absence of shade much watering will be needed, and what will help to dispense with much watering, to the great benefit of the plants, is to plunge the pots to at least half their depth in some cheap and easily handled material. Remember, it takes a little time and a little material to plunge the plants, but the saving is at least one watering a day on the hot days of this month, and the great vigor shown by those plunged compared with those continually dried out will pay over and over again. Sifted coal ashes, tanbark, old hotbed, and, best of all, spent hops, will do as a plunging material. I don't say this plan is absolutely necessary, but it will save labor and produce a plant much better fitted to stand the sun and wind than one grown in a shady house.

The Ivy Geranium.

I spoke above of keeping flowers picked off till they were wanted. Of all common flowers that is most essential in the beautiful ivy geranium, for fine blossoms as they are, they soon exhaust themselves if the flowers are not kept picked. They are beautiful plants, but when planted out make a strong growth and quickly go out of flower. When their roots are limited to a large jar, vase, or veranda box, they are very satisfactory, and will continue to flower for months if not exhausted by old flowers being left on. This is largely true of our common zonale, or bedding geranium. When a plant is allowed to run to seed, it is exhausting its strength more than all the fine expanded petals do. Geranium flowers are some of the most durable of all if placed in water, and for cemetery purposes we have never had enough.

Roses.

Not much later than this should your stock of young roses receive their last shift, which is a 4-inch; larger than this is not necessary, and to remain in a 3-inch till planting time they would get stunted. In a more southern latitude you could, by the middle of this month, place them in a cold frame, and later remove the sash, which will give them a good, hardy growth. With us the period that they would be benefited by a move to a cold frame would be too short to be of much avail. So place them in a light house, where you can ventilate perfectly. No shade should be given, and a plunging would be of the greatest benefit to them. American Beauties will want the same treatment as the teas. Endeavor to get a good, strong, growing plant by the middle of June or, latest, by first of July.

Hanging Baskets.

This is a feature of ornamental gardening that has been for some years decidedly on the wane, but yet is by no means dead. Hung round a brownstone mansion, they would be absurdly out of place, but on the veranda of the more modest villa, they are quite endurable. We have often thought we would get "stuck" on a hundred hanging baskets, but about the middle of June, sure enough along would come somebody that wanted them for a new summer resort, excursion steamer, or something else. How they are abused and what hideous objects they become before half the season is over is none of our business. If intelligently cared for, they have a fresh and pleasant appearance till frosts of autumn gather them in. There are hanging baskets of wood, of earthenware and of wire. The latter is the only kind tolerated here, and is in every respect the best. When lined with green moss from the woods, they are sightly in appearance and the roots of the crowded plants find a most congenial feeding ground if not allowed to get parched. It should be unnecessary to say that the richest soil should be used in the baskets, for there are ten times as many plants occupying the space as should produce one healthy, growing plant; but with all that they exist, and even grow if faithfully cared for.

If in a shady place you can use as center plants fuchsias and Rex begonias, but if exposed to sun and wind and perhaps dust, you had better select for the center or upright plants any of these: Geraniums, coleus, achyranthes, Begonia vernon, ageratum, or almost any plant that will stand the sun and little root room. The chief attraction of a hanging basket is the so-called vines, or, more properly, the plants that will droop and keep green. Even if the center plants should wilt, if the droopers hang down and make a pretty effect, you will hear no fault finding. Of these, there are a number, and when arranging them on the edge of a basket see that those of a shorter growth, like lobelias, are alternated with one of more rampant growth, such as senecio (German ivy). There is lobelia, senecio, money vine, the variegated glechoma, vincas, ivy geranium, grammanthes, maurandya, nasturtium, double sweet alyssum, Pylogne suavis, sedums, small plants of English ivy, Solanum jasminoides, and others. We fill the baskets about the middle of May. They are then in good condition to be exposed about the first of June. WM. SCOTT.

A ROSE TWO INCHES TALL.

A rose bush in bloom, not over two inches tall, was recently shown us by Mr. W. C. Egan, Highland Park, Ill. It was a little specimen of Rosa poly-

antha nana in a thumb pot with one good bloom at the top. The plant was only 48 days from seed. It seems as though there would be a sale for a limited number of such diminutive plants, for the ladies who saw this plant all agreed that is was "just too cute for anything."

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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CHICAGO.

The Market.

There is an abundant supply of all stock, and prices are very moderate. Tea roses range in price from $1 to $3 a hundred, with rare sales of the very choicest at $4, the bulk of the sales being made closer to the lower figure. Carnations range from 40 cents up to $1.50 per 100, only the very fancy going above the latter figure. There have been large sales of out-door bulbous flowers and lilac which seem to be of superior quality this year, and this has undoubtedly affected the prices of roses and carnations. The Greeks are thick on the streets, and they are evidently an important factor in disposing of the bulk of the stock after the choice shipping grades have been selected out. The returns to some of the growers must be very small. At the same time the opinion is general that conditions are not so unfavorable as at the same time last year.

Club Meeting.

The regular meeting of the Florists' Club was held last Thursday evening and the timely paper on bedding plants by Mr. C. J. Stromback was listened to with much interest. The paper and a full report of the discussion appear elsewhere in this issue.

This was the last meeting at the old quarters. The next meeting will be held in room 417 at 40 Randolph street Friday evening, May 6. This brings the two meetings rather close together, but was necessitated by the change in meeting nights from the second and fourth Thursdays to the first and third Fridays of the month. At the meeting tomorrow night the subject will be, "Palms, Ferns and Decorative Plants," and it will be opened by Mr. E. Wienhoeber.

At the adjourned session last Thursday evening several hot games were rolled. Samuel Murray and Arthur Newell, of Kansas City, and Mr. Nicholson, of the Texas Seed and Floral Co., Dallas, Tex., were visitors and took a hand. But most noteworthy of all was the presence of the veteran Sam Pearce. It isn't often we get Sam out to a meeting nowadays.

The bowlers will in future meet every Friday evening for practice at the alleys at 77 Randolph. They are good alleys to train on, being full regulation in every respect. Fat scores are not common, but when you see one you know it was earned. The boys have an eye out for the honors at Omaha.

Various Items.

Bassett & Washburn have rented the big Mitchell greenhouse at Hinsdale and will use it for carnations. This house is 50 feet wide and 550 feet long. It will be entirely remodeled, iron pipe supports substituted for the present wooden ones, ventilators added, tile benches built, and new water supply provided. The carnations to be grown include 5,000 Mrs. Bradt, 7,000 Flora Hill, 3,000 Mary Wood, 3,000 Mayor Pingree, 3,000 Jubilee, 1,000 Lily and Maud Dean, 1,000 Psyche, 1,000 Painted Lady, 1,000 Armazindy, 500 Mrs. Frances Joost, 500 Gold Nugget and 500 assorted novelties. This house is so close to their present large plant that it can be easily handled in connection with it. It is evident that Bassett & Washburn have faith that novelties are profitable. The high prices obtained here all season for really high-grade blooms of Mrs. Bradt and others undoubtedly influenced them in the matter.

A. Anthes has opened a floral store at 286 North Clark street.

Mr. J. A. Budlong, the Bowmanville rose grower, will open a city wholesale store May 15.

A. L. Randall has heard so much of the springs at West Baden, Ind., that he has decided to try them himself, and will spend a week or ten days there.

Klehm's Nursery is growing a fine lot of longiflorum lilies for Decoration Day trade. They will be sold by Kennicott Bros. Co. Wire John, at Kennicott's, who can build most anything in wire, has just completed a wire frame model of the warship Maine, 7 feet long. It is for F. Mendonza, the Forty-third street florist, who will use the piece for a window decoration.

E. H. Hunt is gaining strength very slowly and is still unable to visit his place of business.

A gardener by the name of Herman, employed at the greenhouses of the Rogers Park Floral Co., dropped dead of heart disease last Saturday.

Mr. Henry Wietor is still confined to his house by illness.

NEW YORK.

In the Wholesale District.

The market is still inactive and prices are what you can get, not what you ask. The early part of the week was only characteristic of what it has been since Easter. The latter part improved somewhat, however. This was rather the result of a lightening of shipments than any excess of demand, and prices ruled the same.

Beauties are still a bugbear, and will continue so, it is expected, till the hybrids pan out. Other stocks of roses far exceed the demand, and there is considerable mildew among the poorer grades of flowers. To say that $5 to $20 per 1,000 was a fair average price would not be far from the mark, Beauties reaching top at 20 cents. Hybrids are still coming in, and are of exceptional quality and command fair prices.

Carnations have not been over-plentiful, and sold slowly till the slight reaction. Poor stock suffers severely at these times, and the only outlet seems to be the fitful Greek, who soars around like a bird of prey, ready to take advantage of the least glut in any line, but alas! what could we do without him; he is the scavenger of the market, so to speak, and one asks, what would become of this overplus if this outlet was completely cut off.

Violets are getting poor and "white eyed." The demand is correspondingly low, and stock is cleaned up at any price, only a few choice lots realizing a fair picking and living price.

Bulb stock, nit! Very few orchids in the market. Smilax is increasing in quantity, with less demand and price lower. A few white sweet peas, Emily Henderson, are to be seen, and some variegated varieties. The old standby, Blanche Ferry, seems to have the call, however.

The Retail Trade.

There is no material change in the stores and an inert lassitude reigns. You ask the reason, and the answer is, War. It is undoubtedly playing more or less havoc in all lines, the florists as usual feeling the tightening of the purse strings first.

One of the oldest and best known florists in the city, J. M. Hodgson, is a victim of the first of May, and his store, which has been one of the landmarks of Fifth avenue, is being torn down to make room for a more modern structure. Meantime Mr. Hodgson has moved up the "avenoo" a little higher to Forty-sixth street, and we hope continued success will attend him.

The Marts.

Brother John Cleary is nothing if not patriotic, but he has been so busy lately that he did not know a state of war existed, and while his neighbors were displaying "Old Glory," he unwittingly hung out "his red flag." Since then he has been explaining to deputa-



View in the wholesale store of Reinberg Bros., Chicago.

tions of zealous citizens that he is not an anarchist. All the same the cigars are on John.

The Club.

Next Monday, at the regular meeting of the New York Florists' Club, besides the usual monthly exhibit for the club's medals, Professor W. E. Britton, of the Connecticut Agricultural Experiment Station, will give an interesting talk on "Experiments With Chemical Fertilizers on Greenhouse Plants," and a large meeting is anticipated.

Various Items.

Greater New York is so great now that when any one comes from the Quaker City they bring along a chaperon, and so when our friend, Harry Bayersdorfer, passed through this city on his way to "Yurrup," to seek the "newest" in his line, he was accompanied by his genial partner, Paul Berkowitz. Mr. Bayersdorfer sailed Tuesday on the steamship Havel, and we wish him a bon voyage and safe return.

New Jersey.

At the regular meeting of the New Jersey Floricultural Society Monday evening, Malcom MacRorie in the chair, the usual business was transacted. The essay for the evening was, "Horticultural Societies; Their Purpose and Management," which was ably handled by Mr. James W. Withers, and brought out considerable discussion.

ST. LOUIS.

The Market.

The cut flower trade in St. Louis is not what it should be, and the glut is still with us, especially in carnations. Roses, too, have been very plentiful. Perles, Brides and Bridesmaids are the most plentiful. Quantities of cut flowers of all kinds are being received daily as a result of the high temperature, and there has been a heavy loss in all varieties, there being very little demand the past week, and only the very best of stock selling. It is impossible to sell the poor stock, even the fakir refusing it.

The various commission houses received some fine specimens of all kinds of flowers in season last week, but as trade is dull, prices are merely nominal. Funeral work seems to be on the increase rather than otherwise. Transient trade is almost entirely monopolized by the fakirs, who fairly swarm the down-town district. It has been a long time since prices were as low as last week. Carnations and roses have suffered alike in this respect. The market can not possibly consume all that is received, not even with the help of the fakir.

Beauties have been in fair demand, but have suffered with the rest. Short stemmed ones are nearly all bullheads and most of them have to be dumped. The best stock of Brides, Maids, Meteors and Carnots sells at $4; seconds, $1 and $2; mixed roses in 1,000 lots sold some places at $5.

Carnations are down with the rest; prime stock brings $1 and good blooms 75 cents, while the bulk sells at 50 cents, and in larger lots the price is less.

Violets are about over, and the few that come in bring 35 cents.

Bulb stock is about all cut. Tulips and Dutch hyacinths are coming in from the open ground. Sweet peas are not over-abundant yet, but the indications are that they will be shortly; price this week opened at 75 cents per 100.

Ferns are still very scarce. Smilax is selling well at 15 cents per string. One commission man who had a few ferns arrive last week put the price up to $3.50 per 1,000. This the florists did not relish, but had to have them, though in the future when ferns become more plentiful they will remember him for his kindness for selling them, even at that price.

Personals.

Mrs. Martin, who bought out Wm. Lingenbrink, in Alexander's drug store, 522 Olive street, a few months ago, has closed its doors.

Mr. Fred Foster, formerly manager of the Krebs Floral Company, has opened a wholesale house on Eleventh street, between Pine and Chestnut. The florists about town think he will do well if he makes money.

W. J. and M. S. Vesey, of Fort Wayne, Ind., are sending to this market some elegant stock; also their new carnation, Fort Wayne.

Riessen Floral Co. report lots of funeral work the past week; also a few good wedding orders booked for this month.

Max Herzog lost 1,000 feet of glass by hail Sunday afternoon. A few other florists in the same vicinity also lost a few feet. The storm likewise did a considerable damage to our parks.

Club Notes.

The members of the Florist Club should not forget to attend the next meeting, Thursday, May 12, at 3 p. m., as business of great importance will come up and there will be an exhibition of miscellaneous cut blooms by local growers.

The Florist Bowling Club made a change on Monday night and rolled four games of Cocked Hat. The evening was fine and the attendance was good. C. A. Kuehn was high man in the four games with 147; Beneke, second, with 137; Kunz and Beyer a tie for third place, with 134. The highest single game was by Beneke, with 54; Kunz, second, with 45; Kuehn, third, with 40. Next Monday night the club will made arrangements to roll a match game with the Concordia Turners of South St. Louis, and the team selected at the same time. A full attendance is requested. J. J. B.

PHILADELPHIA.

Weather Affects Supply.

Last week it was so unseasonably cold and wet (the latter not so very unseasonable) that the growers had to fire harder than six weeks ago. Relief came on Saturday, when it cleared, but many a grower was surprised to find how much coal the last week in April had consumed.

The effect of all this was to shorten

the supply of cut flowers considerably, which tended to steady prices. Transient trade was poor, but there were some weddings that caused a fair demand for blooming plants, yellow daisies and hydrangeas being most used.

Plant Trade.

The sales of stock for out-door planting are daily increasing. Hardy roses are in brisk demand.

The department stores are selling imported hybrid roses at 15 cents each, $1.25 a dozen. The growers offer strong 6-inch stuff at $2.50 to $4 a dozen. When really good, these find ready sale. It is a pity that this stock is all brought into the houses immediately after Easter. When wanted for planting outside, the plants do much better when not started indoors. Won't you keep part of your stock in the cold frames, gentlemen? The many buyers will pay you just as much, and will be better pleased.

There is a growing demand for the hybrid tea class of roses—something that will live outdoors and bloom all summer. La France is deservedly a favorite. The old-fashioned monthlies, such as Hermosa and Agrippina, are considered too small.

To return to cut flowers: Prices are about the same as last quoted. Beauties are a trifle lower. Tea roses are in fair demand, though the street men handle a good many.

Carnations are a little firmer than roses, except white, which have sold as low as $2 a thousand; $1.25 to $1.50 a hundred is about the price for good stock. It is likely that less of the divine flower will be grown in the suburbs of this city next season. The growers from farther out of town, where the cost of production is less, are gradually crowding the nearby growers out of the market. Distance counts for less with this flower than might be supposed. When carefully packed the express companies can deliver them with speed at moderate cost.

Out-door bulbous stock is coming into bloom. Comparatively few of these flowers find their way to the stores, most of them being planted out for effect in private gardens.

Notes.

Patriotism is shown by the red, white and blue ribbons seen in one of the store windows, and the club has already sent one member to the war. The Bible quotation of "the last shall be first" applies here.

Robert Scott & Son are hard at work moving their glass from Eighteenth and Jackson streets to Sharon Hill. Ten new houses are to be built for cut flowers and the old houses rebuilt for growing young roses.

C. and G. L. Pennock are engaged in extensive building at Lansdowne.

Landis & Co. (H. D. Rohrer) are putting up new houses at Lancaster.

Philadelphia boasted four rose-growing foreman who stand head and shoulders above their fellows. The first of these, Isaac Kennedy, is wisely content in these stirring war times. Another, Stephen Mortensen, has, under the alias of "Samuelson of Hatboro," been sending in some fine stuff from his new place at Southampton. A third, A. Fahrenwald, is hard at work building three 150-foot rose houses at Hillside, Montgomery county. Now, what has become of P. H. Meehan?

Marmaduke Tilden, of Madison, N. J., was in town last week. Mr. Tilden sent to the New York market some of the best Beauties seen in Madison last winter, and you know the standard for Beauties in Madison. J. W. Y.

CINCINNATI.

Review of Trade.

Trade during the past week might be called fair, but that is the best we can say for it. Some flowers are selling well, while others are a glut. Beauties are in the lead, choice stock going lively at $2.40 per dozen. Meteors come next at $4 to $5 per 100; Brides and Maids, $4, and Perles, $3.

Harrisii and longiflorum are plentiful, with but little demand, and are selling anywhere from 50 cents to $1 per dozen. Colored carnations, especially red ones, are going slowly. White sell fairly well at $1.50 per 100. Valley is scarce and of course there is a demand for it. When obtainable it sells readily at $3. Smilax and asparagus sell well, owing to the scarcity of ferns.

Notes.

The Fair, a large department store of this city, is evidently laboring under the impression that there is big money in the florist business, as they have recently opened up a cut flower department, with Harry Edwards as manager.

Francis Rutland, of Lockland, O., has disposed of his greenhouses to W. K. Partridge, who for years has had charge of the seed department of J. M. McCullough's Sons.

Max Rudolph, the Twelfth street florist, will shortly visit his parents in Germany. B.

WANT ADVERTISEMENTS.

WANTED—A good rose grower. Also a good man for orchids, ferns and palms, for commercial place. Address Minnesota, care of Florists' Review.

SITUATION WANTED—By a practical English florist and grower of No. 1 roses. Carnations, 'mums, violets a specialty. Now disengaged. Age 39. Commercial or private position. Address W., Florist, box 547, Alliance, Ohio.

FOR RENT—For greenhouse purposes, 32,700 feet on Michigan Avenue. Long lease and low rental. Room 922, 184 La Salle Street, Chicago.

SITUATION WANTED—By thoroughly practical all round gardener. Capable of taking entire charge of a gentleman's private place. Exceptional references as to character and ability. Address Gardener, care of Florists' Review, 105 Hudson Street, New York City.

SITUATION WANTED—By a competent florist and gardener, 14 years' experience in growing cut flowers, tropical plants, cyclamen, etc. Also a first class designer and decorator. Capable of taking charge of place of any extent. Age 30, single. R. S., care Florists' Review.

SITUATION WANTED—An experienced florist (of 20 years) and wife wish a situation to run a flower store or work in greenhouses as makers up of florists' designs. Best of references. Man a total abstainer. G. Y. C., care Florists' Review.

SITUATION WANTED—By young man, in retail flower store, ten years' experience. Capable to take full charge. Address W. W., care of Florists' Review, 56 Pierce Building, New York City.

WANTED TO RENT—Greenhouses in good working order, by experienced grower, or will run place on shares. Writing, give particulars. C. B. A., Florists' Review.

FOR SALE—At a bargain, 4,000 feet of glass, well stocked, with seven-room dwelling, barn and stable, everything in good repair, in a fast growing city of 40,000. A fine chance for a young man with push. For particulars address E., care of Florists' Review.

WANTED—Young man to take care of several rose houses. Must be competent and well recommended. Address Emil Buettner, Park Ridge, Ill.

WANTED—An experienced propagator and plantsman. One accustomed to hard and soft wooded plants, where a great many are grown for a catalogue trade. Must be a hustler. No drinking man wanted. Steady place and good wages to right party. Apply with references to James Souden, foreman for L. L. May & Co., St. Paul, Minn.

FOR SALE—Six greenhouses, about 14,000 feet of glass; well stocked; wholesale and retail town of 4,000; no competition; less than 100 miles from Chicago; two railroads; good seed trade. For particulars address A, care Florists' Review.

WANTED—By the 15th of June, a first-class all 'round florist to take charge of plant of 8,000 feet of glass. None but steady reliable man need apply. References. Wages $50 per month. Address X, care Florists' Review.

SITUATION WANTED—As private gardener, by thoroughly competent man with the highest references from last employer and others. Removal of employer only reason for change. Address K. X., care Florists' Review.

SITUATION WANTED—By A1 grower of roses and other cut flowers and plants, as working foreman; has held similar positions in Chicago; best of references. Address E. C. care Florists' Review.

SITUATION WANTED—By florist and gardener; good grower of roses, carnations, mums and general stock. Only those in need of a good man and are willing to pay fair wages need apply. Address K. K., Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

The Jordan Floral Co. of St. Louis, offer for sale their greenhouses, 20 in number, with complete heating plant, covering about 3 acres of ground, with all stock and good will of the business. Will lease ground on fair rental value long as wanted. Established trade over 35 years. This is an opportunity of a lifetime to buy a good established business. Also have a large retail store opposite the Post Office. Apply to **LEON L. HULL REAL ESTATE CO.**
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BUFFALO.

The writer has been so much occupied of late with moving old store furniture, paper boxes, cash registers without any cash, and other trifles, that little time has been left to note the state of business. From the great dearth of weddings, it is evident that betrothed parties have postponed the blissful time till after the fall of Havana. There are plenty of flowers, with only a moderate demand. Very cool, cloudy, unsettled weather has also helped to make us quiet.

Mr. Wm. Kasting, our widely known commission man, has just returned from a visit among his customers in Pittsburg, Wheeling and other cities in that direction, and from his appearance must have made many friends, for he looks awfully contented.

Plant men are looking forward to a brisk and lively time, for there are certainly many hundreds of homes requiring some "ornamental horticulture" that did not exist last spring, and the increase in stock grown is little if any more than formerly.

W. S.

HUNT'S REVIEW OF THE CHICAGO MARKET.

Cut flower business for the past week shows no material change from the preceding week. Trade is very slow and no mistake. Supply continues heavy and demand light. Buyers wanting but little buy little, and will take only the cream. This leaves the bulk of the stock of fair to good quality to be worked off as best it can, and it is needless to say it goes for little money.

The supply of strictly fine Beauties, extra long stems, is in excess of the demand, Maids and Brides selling best in rose line.

Supply of Harrisii is easing up a little, but call for them continues light. Outdoor grown tulips are in evidence, among them some very fine Parrots. Smilax extremely scarce, there being but little really first class on the market.

Mildew is noticed on stocks of some growers, but not badly as yet. Outdoor narcissus and daffodils are abundant, with very limited sale. Taken all in all, though grower, retailer and commission men are dissatisfied with present condition of business, we think it will be found to be considerably better than for the same time a year ago.

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GREEN AND GOLD. Foliage beautifully variegated with yellow, clear and decided. Flowers very double, creamy white. A splendid exhibition plant. Worth growing for its beautiful foliage alone. 50c each; $4.00 per doz.
SUSAN B. ANTHONY. Handsome light green foliage, immense perfect flowers, like drifted snow. A grand bloomer; long-stemmed flowers. Splendid for cutting. 25c each; $15.00 per 100.
WHITE WINGS. Exquisite, large semi-double flowers. Shining white petals, very long. Beautifully incurved and curled. Grand for cut flowers. 25c each; $15.00 per 100.
MADONNA. A pure white Anemone flowered variety. Flowers of the most perfect form. Beautiful center of small florets, prettily fringed. Fine upright habit. Flowers on long stems. 25c each; $2.00 per doz.
These varieties are early and medium bloomers.
Send for Trade List of Seeds, Plants, Bulbs, and Cacti.
MRS. THEODOSIA B. SHEPHERD,
Mention Florists' Review. Ventura-by-the-Sea, Cal.

Marie Louise Runners
25,000 at $4 per 1000; 60c. per 100.
WANTED 500 Maids, 600 Brides, 200 Perles, 200 Beauties, 200 Meteor, 200 Belle Siebrecht, 2½-inch pots.
HILLSDALE FLORAL PARK,
Mention Florists' Review. HILLSDALE, MICH.

Always Mention the.... Florists' Review When Writing Advertisers.

BALTIMORE.

Trade Conditions.

Trade has shown very little improvement over last week's chaotic condition and is still extremely quiet. In one short week the elements gave us samples of winter, spring and summer weather. Of these changes, however, the latter was the only one appreciated by the florists, as rain, hail and snow offered little encouragement to transient trade.

A few of the retailers were kept quite busy over several large wedding orders which had been previously booked, but barring these there was little else of note.

Roses are very plentiful, far beyond the demand. Carnations are not over abundant; as they seem to be the most popular flower, there is no trouble to sell out. Heavy shipments of Harrisii are arriving from Oakland, Md., our local supply being over. Sweet peas are in, but do not sell in the colors. White sweet peas for weddings have been the rage.

Bedding plants at the markets are not selling well on account of the inclement weather. At this season of the year the stall holders do a large business in that class of stuff and consequently are carrying very little other stock.

Notes.

At the last meeting of the Gardeners' club Mr. Paul Binder, our financial secretary, was prevailed upon by a unanimous vote to reconsider and withdraw his resignation.

Mr. Fred. Bauer, of Govanstown, Md., read a paper upon the utilization of greenhouse space. He gave in detail his ideas of how a commercial place carrying a miscellaneous stock should be conducted, which, on the whole, proved very interesting and instructive.

Visitors.

Mr. Wm. Scott and Mr. C. F. Christenson, of Buffalo, were with us a few days this week. The writer regrets very much not to have been in when these gentlemen called, but a severe cold prevented his attendance to business the entire day. Mr. Alexander Scott (who is a brother of our well-known visitor) had these gentlemen in tow, and they were consequently in good hands.

Mr. J. J. Styer, of Concordville, Pa., was another visitor. Mr. Styer is quite a large grower of carnations.

C. F. F.

WHENEVER you need any trade supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

WHEN you write an advertiser, always state that you saw the adv. in The Florists' Review.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES.

88 Wabash Avenue, CHICAGO, ILL.

Long Distance Telephone EXPRESS 466.

Longiflorum Lilies for Decoration Day

Klehm's Nursery has grown a special lot of these for Decoration Day, and we can supply them at $1.00 a dozen, $7.00 per 100.



"THEY'RE BIRDS"

HEADQUARTERS FOR

DOVES

See that my signature is stamped on every Dove.

L. L. Russell.

203 Summit Ave., JERSEY CITY, N. J.

100,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants. $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR. J.L. DILLON, Bloomsburg, Pa.

NEW WHITE CHRYSANTHEMUM... **FRANK HARDY**

Facts more eloquent than words. C. S. A. awards highest of the year. New York, 95 points; Boston, 94 points; Chicago, 93 points; Philadelphia, 89 points. First prize, white in strong competition at Boston and Philadelphia shows, and certificated wherever shown. The ideal commercial and exhibition bloom. **Price,** 50 cents each; $3.00 per dozen; $20.00 per hundred; $150.00 per thousand.

A. HERRINGTON, Florham Farms, Madison, N. J.

Burpee's Seeds Grow

WATER LILIES. All Sorts.

Stock Reliable. List Free. GEO. B. MOULDER, Lily Park. SMITH'S GROVE, KY

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Rooted Rose Cuttings

Plants and cuttings sent by express at plant rates (30 per cent less than merchandise rates).

	Per 100	Per 1000
AMERICAN BEAUTY	$2.50	$20.00
LA FRANCE	1.50	12.50
BRIDESMAID	1.50	12.50

...ROSE PLANTS...

Out of 2½-inch Pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	3.00	25.00
Bride	2.50	20.00
Bridesmaid	2.50	20.00
La France	2.50	22.50
Belle Siebrecht	2.50	22.50

...ROOTED CARNATION CUTTINGS...

	Per 100	Per 1000
JUBILEE	$2.00	$15.00
Wm. Scott	1.00	7.50
Tidal Wave	1.00	7.50
Portia	1.00	7.50
Lizzie McGowan	1.00	7.50
Goldfinch	1.00	7.50
Mrs. Thompson	1.00	7.50
Daybreak	1.50	12.50
Emma Wocher	1.50	12.50
Lizzie Gilbert	1.50	12.50
Harrison's White	1.50	12.50
Bridesmaid	1.50	12.50
Nivea	3.00	.....
Flora Hill	3.00	25.00
Mayor Pingree	3.00	25.00

Smilax Plants, $2 per 100; $15 per 1000.

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Telephone 1496

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Wholesale Florists & Florists' Supplies.

Wire Designs Our own make.

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BRIGHTON, - - - MASS.

E. G. AMLING,

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Shipping facilities and stock unexcelled.

Lowest Market Prices. Write for quotations on large orders.

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New Catalogue of all Florists' Supplies on application. For the trade only.

50 to 56 N. 4th Street, PHILADELPHIA, PA.

CANNAS Nicely started. Mme. Crozy, P. Marquant, L. E. Bally, Florence Vaughan, etc., 30c. per doz.; $2 per 100. Pot plants, 4-in., $8 per 100.

BEGONIA Thurstonii, B. Argenteagutata, etc., 2-in., $2; 2½-in., $2.50 per 100.

PANSY PLANTS Bud and bloom, $1 per 100; $8 per 1000.

A. J. BALDWIN, Newark, O.

Correspondence Solicited

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JUST ARRIVED IN FINE CONDITION

Odontoglossum Crispum, Miltonia Roezlii, Cattleya Chocoensis, Cattleya Labiata, Oncidium Varicosum Rogersii

Lager & Hurrell, Growers and Importers.... Summit, N. J.

C. A. KUEHN

WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

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..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET

ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

VEGETABLE PLANTS

Tomato, Cabbage, Lettuce, Celery and **Sweet Potato**, 15c per 100; $1 per 1000.

Pepper and **Egg Plants**, 25c per 100; $2 per 1000.

Cauliflower Snowball, 35c per 100; $2.50 per 1000.

All plants by mail, 10c per 100 extra. Price list for large quantities. Cash with order.

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SEEDS, BULBS AND CUT FLOWERS.

VAUGHAN, McKELLAR & WINTERSON, 45, 47 and 49 WABASH AVENUE, **CHICAGO.**

OMAHA, NEB.

Trade is excellent in both cut flowers and plants and fair prices are realized. Omaha begins to feel the effect of the Trans-Mississippi Exposition, which will open its gates June 1. All the buildings are completed and ready to receive the exhibits except the horticultural building, upon which there is some work yet to do.

The grounds look beautiful. The weather is favorable for the lawns and trees and we have had quite a good deal of rain of late. The arrangement of the grounds shows great skill on the part of the landscape gardener; they are fully as grand as those at the World's Columbian Exposition. The florists here are taking much interest in making a creditable display. Mr. Chapin, of Lincoln, has charge of the state display, and Mr. Hess, of Omaha, has charge of that for Douglas county.

Mr. Reed has sold his interest in the firm of McPherson & Reed, of Council Bluffs, to M. Frey, late of Lincoln, Neb., and the firm name is now McPherson & Frey.

Karr & Davidson will open a store on Douglas street.

Recent callers were Mr. Ford, of New York, and A. L. Vaughan, of Vaughan, McKellar & Winterson, Chicago.

At its last meeting the Nebraska Florists' Club changed its name to the Nebraska and Iowa Florists' Association.

J. J. H.

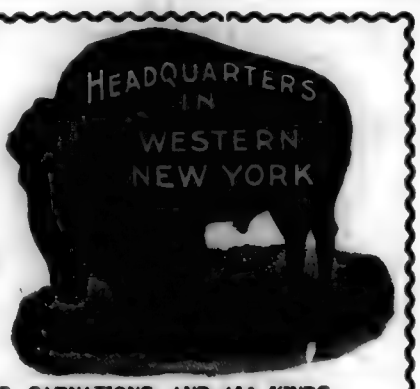
THE National Florists' Board of Trade of New York has moved into larger and more commodious quarters on the fifth floor of the same building, where there is ample room to handle the increasing business of the concern. The street address is still 271 Broadway, but the telephone number is now 1955 Cortlandt. Mr. Cornelius S. Loder, the enterprising secretary, is entitled to the thanks of the trade for the excellent work he has done in securing reliable credit information for members. No one selling to the trade can afford to be without the information supplied by the Board.

YOU CAN BUY all your trade supplies to the very best advantage from advertisers in The Florists' Review, and at the same time advance the interests of your paper.

SAMUEL S. PENNOCK
Wholesale Florist
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We are practical Orchid Growers and Expert Handlers of Cut Orchid Flowers.
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GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist...
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CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
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Boston Fern
Heavy, well-shaped plants, splendid for store decoration. Very durable.
6-in. pots, $1.00 each; $12.00 per dozen.
JOHN WELSH YOUNG,
UPSAL STATION, PENNA. R. R. Germantown, Pa.

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When in need of anything in way of Wire Designs, Wheat Sheaves, Cutlery, or anything in general use by the trade, bear in mind that we can supply you. On Wire Designs, of which we are large manufacturers and carry a large stock, **we meet the prices of any reliable house.** We will not be undersold on these goods.

Our WHEAT SHEAVES
Sell themselves. Handsome shape, full size and weight, made of best quality material, prices right.

WHITE CAPE FLOWERS,
A good quality at 60 cents per pound.

CYCAS LEAVES, IMMORTELLES, INSECTICIDES, SAYNOR KNIVES, RIBBON, SHEARS.

Can furnish a good Pruning Shear for $1.00.
No toy, but a good strong shear that will do the business.

Send for Catalogue.

Seasonable Flower Seeds..... BEST STRAINS ONLY SEND FOR PRICE LIST

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CARNATIONS.		
Ordinary, ordinary Stock	per 100,	$1.50—
Extra	"	2.00—3.00
ROSES.		
Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100	3.00—4.00
Maids	"	3.00—4.00
Meteor	"	3.00—4.00
Perles	"	3.00—
GREENS.		
Asparagus	per string,	.60—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—2.50
Smilax	per doz.,	2.00—
Galax	per 100, 20c., per 1000,	1.50—
Leucothoe Sprays	per 100,	.75—
Smilax, (Wild): Must be ordered in advance. Stock not very good.		
Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—
MISCELLANEOUS.		
Marguerites	per 100,	.25—
Mignonette	per 100,	.50—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans	per 100,	2.00—3.00
Valley	"	3.00—4.00
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies	per 100,	.50—
Lilac	"	1.00—1.50

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias, Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves.
Station X. **Chicago.**

Azaleas, Bay Trees, Araucarias, ..Palms

SANDER, Bruges, Belgium.
A. DIMMOCK, Agent, 60 Vesey St., New York.

Peacock's Prize Winning Dahlias

36 First Prizes out of 39 entries in 1896 and 1897

Send for 1898 Illustrated Descriptive Wholesale Catalogue before placing orders elsewhere.

W. P. PEACOCK, ATCO, N. J.

BASSETT & WASHBURN'S

ROSE Plants

We have an extra selected stock of the following Rose Plants. Will guarantee them to be as fine as any grown.

		Per 100.	Per 1,000
American Beauty	2½-inch pot,	$5.00	$50.00
Brides	2½ "	3.00	25.00
Bridesmaids	2½ "	3.00	25.00
Kaiserin	2½ "	3.50	35.00
President Carnot	2½ "	3.50	35.00

BASSETT & WASHBURN,
Store, 88 Wabash Ave., CHICAGO, ILL.
Long Distance 'Phone Main 223.
Greenhouses and Residence, HINSDALE, ILL.
Long Distance 'Phone No. 10.

Carnations Chrysanthemums

New and Standard Varieties.

Our new Trade List will embrace the leading novelties of 1898 and 1897; as well as the best standard sorts.
Address

H. WEBER & SONS, Oakland, Md.

COLEUS—C. Verschaffeltii and G. Bedder, 80c per 100, $3.00 per 1,000. Superb—fancy leaved, 30 varieties. **ALTERNANTHERA,** P. Major and A. Nana, fine little plants, 75c per 100, $5.00 per 1,000. **Scarlet Sage,** transplanted, $1.00 per 100. **PANSIES** in bloom, Giant, $7.00; Bugnot, $9.00 per 1,000. 100 rates by mail. By express any quantity at 1,000 rates.

DANIEL K. HERR,
LANCASTER, PA.

SMALL GREEN Galax

For use with Violets. Stiff wiry Stems. Work up beautifully. Are all the rage

Box of 5000, $5.00
Less quantity at $1.25 per 1000

Address

HARLAN P. KELSEY
1150 Tremont Bldg., Boston, Mass.

NATHAN SMITH & SON,

WHOLESALE FLORISTS

SPECIALTIES: **ADRIAN, MICH.**

Chrysanthemums, Carnations and Violets.

Correspondence solicited.

...ROSES...

3000 Beauties, 2½	5c
500 Meteors, 2½	3c
500 Meteors, 3	5c
1000 Golden Gate, 3	4c
1000 Maman Cochet, 3	5c
500 White Maman Cochet, 3	10c

J. LOUIS LOOSE, Washington, D. C.

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Please mention the Florists' Review when writing advertisers.

BOSTON.

Review of the Market.

The past week has been very cold and backward, having a tendency to keep stock short, so that there has really been no great surplus, with a fair demand, considering the weather.

Roses of the common kinds are plentiful at prices ranging from $4 to $10 per hundred, while red roses of good quality are scarce and sell readily at anywhere from $1.50 to $4.00 per dozen.

Carnations are still inclined to be extremely short, and are bringing from $1.50 for Mrs. Fisher to $5.00 for Bradt and Flora Hill. The cool weather has improved the quality of violets, which are going fairly well at 50c per hundred.

Sweet peas are plentiful at $1.25 per hundred. Lilies a drug at $3.00 to $4.00.

News Items.

The famous Francis B. Hayes place at Lexington is now a thing of the past and the regular contributions to the many shows of the Massachusetts Horticultural Society will be very much missed. The fine specimen foliage and flowering plants, for years the pride of Gardener Comley, were sold at auction on Saturday, April 30, by the well known auctioneer, Edward H. Hatch. The trade from this vicinity was well represented at the sale.

George Mullen, who up to a few weeks ago was doing business on Park street, is reported to have disappeared, and his whereabouts are unknown. A meeting of his creditors is called at the flower market during this week.

George Seaverns, a florist of Weston, has gone to the Klondyke.

Wm. McTier, a New Jersey florist, is erecting a new commercial house at Wollaston.

Thomas H. Meade, a well known rose grower of Dorchester, is the new manager and editor of the N. E. Florist.

James M. Touhy, for several years with his brother, P. J. Touhy, of South Boston, has opened a store in Maverick square, East Boston.

The annual banquet of the Gardeners' and Florists' Club, will take place at Horticultural Hall Tuesday evening, May 30.

The great interest in the Hayes auction prevented most of the exhibitors from taking part in the weekly horticultural exhibition. The only things of consequence shown were a few flowering plants and vegetables.

For visitors, we have had Mr. Winifred Rolker, of New York, and a few of our Holland friends, including P. N. Koster and J. Blaauw, now on their way home.

Mr. Peter Barr, a well known seedsman from London, Eng., has been doing the "Hub" this week. P.

Always mention the Florists' Review when writing advertisers.

ROSES AND BEDDING PLANTS.

	Per 100
Monthly Roses—C. Mermet and Isabella Sprunt	$2.00
Monthly Roses—Other varieties, fine stock.	2.50
Hybrid Roses—A. Diesbach, Augusta Mie, Dinsmore, Gen. Jacq., Jno. Hopper, Mad. Masson, M. Charta, Paul Neyron.	3.00
Climbing Roses—Balto. Belle, Gem of the Prairies, Russel's Cottage, Queen of the Prairies and Crimson Rambler	4.00
Carnations—Good varieties	3.00
Chrysanthemums—Best varieties	2.50
Pansies—In bud and bloom, $15.00 per 1,000	2.00
Pansies—Smaller plants.... 12.00 "	1.50
Coleus—Best kinds	2.50
Verbenas—Best kinds	2.00
Geraniums—Single Scarlet, $2.50; assorted, 2 and 3-inch	$3.00 to 4.00
Geraniums—Mt. of Snow and Rose Ger	3.00
Alternathera—Yellow, $2.00; Red	2.50
Dahlias—Dry roots, best varieties	5.00
Pelargoniums—Friend, Victor and Jack, 3-in.	4.00

	Per 100
Pelargoniums—Fred Dorner, 3-inch, $5.00; M. Thibaut, 4-inch	8.00
Gladiolus—Mixed kinds	1.25
Dracaena Indivisa—3 and 4 inch	$8.00 and 12.00
Cyperus Alt—Umbrella Plant, 3 and 4-inch.	3.00
Sword Ferns—2½, 3 and 4-inch, $3.00, $4.00,	8.00
Vincas	$6.00 to 10.00
Fuchsias—Assorted	2.00 to 3.00
Swainsona—2 and 3-inch	3.00
Ampelopsis—Royalii and Veitchii, 2-inch	3.00
Clematis—Henryii and Jackmanii, 2 years, 25c each.	
Begonias—Metallica	$3.00 and 4.00
Farfugium Grande, 2½ and 3-inch	7.00
Genista Racemosos, 2 and 3-inch, $2.50 and	4.00
Cuphea—Platycentra, 2 and 3-in., 2.00 and	3.00
Pineapple—3 and 4-inch, 25c each.	
Jasminum—Yellow, 3 and 4-inch	5.00
Alocasia	2.00
Hibiscus, 3-inch	4.00
Ficus Elastica—4-inch, 30c each.	

Century Plants—1 large specimen, 8 feet high, $5.00; 2 large specimens, 4 feet high, $3.00 each.
Variegated Century Plants—3 large specimens, 4 feet high, $5.00 each.

WILLIAMS & SONS CO., BATAVIA, ILL.

.AMERICAN BEAUTIES.

Fine Plants, from 3-inch pots, $10.00 per 100, $90.00 per 1,000.

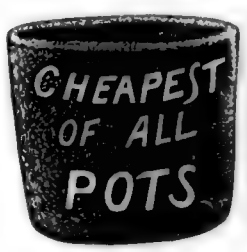
JOSEPH HEACOCK, - - WYNCOTE, PA.

Evergreens, &c.

20,000 American Arbor Vitæ, 2 to 8 ft., specimens and hedging.
5,000 Pyramidal Arbor Vitæ, 2 to 4 ft.
20,000 Compacta, Globe and other dwf. Arbor Vitæs, all sizes.
3,000 Nordman's Silver Fir, 1 to 2½ ft.
2,000 European Silver Fir, 2 to 4 ft.
5,000 Hemlock Spruce, 1 to 4 ft.
10,000 Norway Spruce, 3 to 8 ft.
10,000 Retinosporas Plumosa, Plumosa Aurea, Squarrosa, and other sorts, 1 to 5 ft.
5,000 Irish Junipers, 1 to 2½ ft.
10,000 Pines, Austrian, Scotch, Excelsa, White and Dwarf Varieties, all sizes.
2,000 Euonymus Radicans Variegata.
1,000 Euonymus Japonica, 18 to 36 inches.
1,000 English Holly, 1 to 4 ft.
3,000 Mahonias, Aquifolia and Japonica.
3,000 English Ivy, strong plants.

Prices Low.
Correspondence Solicited.

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YOU Will have missed Klondike.....

If you do not use economy and make your own pots. Cow manure pots can be made to-day, fit for use to-morrow. No expense. Especially recommended for sending plants and growing young stock. Greatest invention of cheap pots.

Every gardener needs a potting machine. Send 6 cents stamps for sample pot and price list.

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Strong Plants of following varieties; Austria, Florence Vaughan, Mme. Crozy, Alphonse Bouvier, Chas. Henderson, Paul Marquant, LaGrand Rosea, Red Foliage, Calsalarias, Shower of Gold.

From 2-in. pots, $3 per 100; 4-in., $6 per 100.

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In Cold Storage in Chicago.

No. 1, 2 to 4 feet, cut back to 2 feet
Yellow Rambler (Aglaia)
Hybrid Perpetuals,
Mosses, Hardy Climbers and Madam Plantier

These plants are very strong and well shaped. Prices on application. Address

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Price reduced to close out. Only a few hundred each. Gen. Jacqueminot, La France, Louis Odier, Coquette des Alps, Coquette des Blanches, Jules Margotten, Clothilde Soupert—Fine clean plants at **9c**; packing free.

Clematis Henryii and **Miss Bateman**, the leading large white sorts, fine 1 and 2-year field-grown plants, **10c** until sold. **Clematis Virginiana**, sweet scented, small white flower, 2-year, fine, **5c**. Samples of Clematis can be had for stamps.

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Arundo Donax Variegata, $5.00 per 100

H. STEINMETZ,
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ALTERNANTHERAS, extra fine, 2-in., P. Major, A. Nana, R. Nana, $2.50 per 100; $20.00 per 1000. Rooted Cuttings A. Nana, R. Nana, 50c per 100; $4.00 per 1000; $7.00 per 2000.

FUCHSIA LITTLE BEAUTY, strong plants, $5 per 100. **A. J. BALDWIN, Newark, Ohio.**



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We make a specialty of these favorites and our collection in both hardy and tender sorts is unsurpassed. Our list includes novelties in.....

Nymphaeas
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Selections made and estimates furnished for stocking large or small ponds, etc.

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Brides, Bridesmaids and Meteors—
2½-inch.....$3.00 per 100, $25.00 per 1,000
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All Stock Guaranteed to be First Class.

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GEO. E. HUNT, Manager.

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From Soil.....	$10.00	per 100
FLORA HILL, from soil...	5.00	"
BEAUTIES, 2½-in. pots ...	6.00	"
CARNOTS. " " ...	4.00	"

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Paul P. O., E. Grand Rapids, Mich.

Miserable .. Carnations

are plentiful enough, but **WE** have varieties that will produce the.....

FINEST OF BLOOMS.

Send for our list and see kinds and prices for yourself.

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The largest bright-rich Crimson yet introduced. Price, **$10 per 100.**

Send for Price List of Standard Sorts

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Carnations

New Carnations

WHITE CLOUD.—White.
GOLD NUGGET.—Yellow.
NEW YORK (Ward).—Bright cerise pink.
MRS. JAMES DEAN (Ward).—Clear silvery pink.
JOHN YOUNG (Ward).—White.
BON TON (Ward).—Scarlet.
Prices for above varieties: $2.00 per doz., $10.00 per 100, $75.00 per 1,000.
We will also have Cerise Queen (Breitmeyer), Argyle (Stollery), Jack Frost (Swayne), Empress (Swayne), Evelina (Witterstaetter), Firefly (Hancock), Painted Lady (Hill), Psyche (Hill), and Mrs. S. A. Northway (Simmons).
All good 1897 novelties and other standard varieties at reasonable prices.

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35c each, $3.50 per doz., $25.00 per 100.
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50c each, $5.00 per doz., $35.00 per 100.
MERRY CHRISTMAS.—Late White.
35c each, $3.50 per doz., $25.00 per 100.

Send for Descriptive Price List.
Ready January, 1898.

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Princess of Wales Violets (Princess de Galles)

Get Your Stock from the Introducers.
2-inch pots, fine stock, $5.00 per 100.

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HERE WE ARE FOR FOUR WEEKS!
FIRST COME, FIRST SERVED!

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Hibiscus in assortment. Single and Double, 2½-in., $3.00 per 100; 3-in., $5.00 per 100.				
Jessimines,	Grandiflora...	2½-in.,	$3.00	per 100
"	Grand Duke...	4-in.,	8.00	"
"	Maid of Orleans,	3-in.,	5.00	"
"	" "	4-in.,	8.00	"
"	Arabian.....	4-in.,	8.00	"
Rhynchospermum Jessminoides, 2-in., $3.00 per 100; in bloom, 4-in., $8.00				"
Smilax, good strong plants, 2-in....			2.00	"
2000 Moon Vines, strong plants, 2-in.....			3.50	"

NANZ & NEUNER, - - - Louisville, Ky.

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Florists' Mutual Fire..... Insurance Association

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FLORA HILL

$4.00 per 100; $30.00 per 1,000.
Out of flats. Cash with order.

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New Forcing Rose.

Mrs. Robt. Garrett, Hybrid Tea.

Rich, soft pink buds, very long, flower extra large, delightfully fragrant, rivaling Bridesmaid in color, but larger and much more productive. A sturdy vigorous grower. A money maker and a triumph of American skill. The best firms in the country are investing in it. It has won numerous prizes and elicited the most favorable comment from critical judges.

Price, strong plants, from 2½ inch pots, $25.00 per 100. In lots less than 1000 $225.00 per 1000.

Orders booked now, delivery March 15th, 1898. Correspondence solicited.

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REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS** and Dealers in

FLORISTS' & SUPPLIES

Live Sphagnum Moss
For Orchids, etc., $1.25 per bbl.

Sphagnum Moss First quality, 85c per bale, 10 bales $6.00.

Peat $1.20 per bale, quality A No. 1.

Z. K. JEWETT & CO.,
SPARTA, - - WISCONSIN.

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MILWAUKEE.

The Market.

Trade has assumed a steady, quiet nature. Stock keeps moving fairly, with no apparent sign of an immediate glut. Violets are about gone; a few good ones are still coming in, but as the season is past, the demand is light for them. Bulb stock has also seen its day, with the exception of a few Harrisii and longiflorum, which were booked for Easter but were a little slow in arriving. Prices still average fair, roses bringing $4 for selects; carnations about $1.00 to $1.50. Beauties are short of demand. Smilax is also scarce and commands a good price. Sweet peas are coming in in better quantity and quality. The early ones bring about $1 per 100.

Park Notes.

Bedding stock is getting attention now. The city has leased some glass for the storing of stock and for the purpose of growing some of the commoner varieties of bedding plants. We hope to see in the course of a few years large conservatories erected, as Milwaukee is considerably behind in this respect. Many other cities of smaller size control their own greenhouses. Extensive preparations are being made for the improvement of the parks, in which all florists here should share the benefits thereof. At a recent meeting of the council a resolution was made to appoint another park superintendent. Since Mr. Pettigrew left us it was in the hands of a park commissioner.

Various Items.

Some changes will be noted in the town stores soon. Miss Sarah Engel, who for some time conducted a store on the West Side, will probably discontinue and enter in the employ of F. Hesse, a South Side florist. Miss Smith, who had charge of the flower department in Jones' drug store, will go back to her former employers, Currie Bros.

Holland bulb agents were not so numerous as last season; probably the tariff had the effect of keeping some on the other side. They must have made some inroads on the profits of American jobbers, as their prices seem strikingly low to buyers, while if duty, freight and packing charges were added they would appear different and equal to American prices.

Lloyd Vaughan, representing the Chicago triplets, V., McK. & W., called on the craft and left town in a happy frame of mind, overloaded with orders, so he says.

GEO. WASHINGTON.

IN THE adv. of Mr. H. Steinmetz, Raleigh, N. C., on page 880 of last week's issue, the price of Arundo Donax variegata should have been $5.00 a hundred instead of 50 cents. The adv. is correct in this week's issue.

GET THE BEST

Our Prices are Low, considering the fine Quality of Stock supplied.
Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$2.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
Alyssum, T. Thumb and Giant dbl, 2½-inch pots	2.50	20.00
Begonias, fine assortment, 3-inch pots	4.00	35.00
Begonias, Vernon, 2½-inch pots	3.50	30.00
Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
German Ivy, 2½-inch pots	2.00	15.00
Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
Rooted cuttings	2.50	20.00
Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
Swainsona, Alba and Rosea (very strong), 2½-inch pots	4.00	30.00
Cannas—Fine assortment of leading varieties. Prices on application.		

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Seawanhaka Greenhouses,
P. O. Box 34. Oyster Bay, N. Y.

Kentia Palm Seeds.

Fresh seeds of Kentia Belmoreana and Forsteriana by the case of 5,000. Seeds received direct from Australia. Price, $17.50—net cash F. O. B. New York. Prices for large quantities on application.

AUSTRALIAN PALM SEED CO.,
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DUTCH BULBS!

For Next Fall Importation.
Ask for Copy of Catalogue.
L. C. Bobbink, Rutherford, N. J.

VanHeemstra & Co.

WHOLESALE BULB GROWERS,
SASSENHEIM, HOLLAND.

We can meet all competition on prices and quality.

WRITE FOR WHOLESALE PRICES.

Address until May 15th
KNAUTH, NACHOD & KUHNE,
13 William Street, NEW YORK.

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From the advertisers in the **Florists' Review** (always mentioning the paper) and thus increase the earning power of your Certificate.

Always mention the Florists' Review when writing advertisers.

WRITE for prices of Beauties, Meteors, Belle Siebrecht, Perles, Maids and Brides in 2-in. pots. Same varieties and La France and Vic. Kaiserin, in 3-in. pots. **Smilax,** extra, in 2-in. pots.
If samples are wanted send 5oc. in stamps to
GEO. A. KUHL, Pekin, Ill.

Do You Plant American Beauties?

1500 3-inch at $5 per 100.
Not cullings but strictly A No. 1 strong, clean, well grown stock, and guaranteed free of all disease.
A. DONAGHUE, 109 S. 16th St., Omaha, Neb.

ALTERNANTHERA

ROOTED CUTTINGS.
Fine Stock P. Major and A. Nana, 90c per 100; $6.00 per 1000. Ready now.
HOFFMEYER, Box 31, Carnegie, Pa.

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STRONG VIGOROUS GROWER.

EXTRA FREE FLOWERING.

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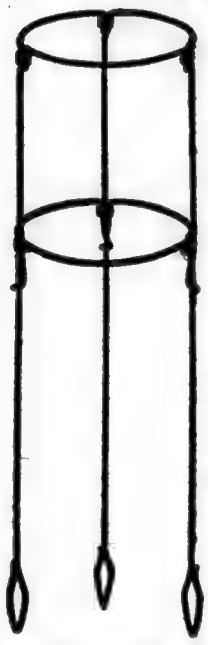


Of the many new Violets introduced in the past few years this, the latest introduction of the foremost French specialist, is unquestionably the **BEST.** It has been thoroughly tested by Mr. Supiot, the Violet expert, who pronounces it "perfect," and flowers which we have exhibited during the past few weeks have been much admired. In vigor of growth, freedom of bloom, and in size and coloring it is superior to all existing sorts, and will soon supercede them. Only a limited stock will be offered this season, and orders will be filled in strict rotation

Price, $1.25 per dozen; $10.00 per 100.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

The Model Extension Carnation Support



QUEENS, N. Y., Feb. 16, '97.
MR. THERON PARKER, Brooklyn, N.Y. Dear Sir:—I have tested your latest Model Carnation Support, and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.
Very truly yours,
C. W. WARD.

FLATBUSH, BROOKLYN, N. Y., Feb. 18, '97.
MR. THERON PARKER.
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb. 18, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am,
Yours truly, E. ASMUS.

Write for Prices, Circular and Special Discounts for early orders.

The Model Plant Stake Co.
THERON PARKER, Mgr., Inventor and Patentee,
22 Morton Street, BROOKLYN, N. Y.

GERANIUMS.

4-inch, $5.00 per 100; 2-inch, $2.00 per 100. All first class varieties, unnamed. Mt. of Snow, Happy Thought, Bronze, etc., 2-inch, $2.50 per 100.

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FISHER & SON, Galion, O.

50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums,** from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

ROSES

60,000 Forcing Roses
Prime Stock Only

The Bride, Bridesmaid, Mme. Chatenay	$2.50 per 100, $20 per 1000
Perle des Jardin, Meteor, La France, Duchess of Albany, Kaiserin Victoria, Niphetos, Papa Gontier, Climbing Perle, Clothilde Soupert, Mosella	$3.50 per 100, $30 per 1000

Am. Beauties, $5 per 100; $45 per 1000

Send for our Wholesale Price List of all home grown stock of Palms, Ferns, Decorative Plants, Etc.

J. B. HEISS,
The Exotic Nurseries 116 S. Main St., Dayton, O.
Cash must accompany all orders.

E. G. HILL & CO.

RICHMOND, IND.

Wholesale
...Growers of Plants...

All the Best Novelties in

Chrysanthemums, Carnations, Roses, Geraniums, Begonias, Etc

SEND FOR LIST.....

Special Offer of CARNATIONS.

1,750 McGOWAN,
1,400 WILDER,
400 PORTIA,
Out of Thumb Pots.

Per 100, $5.00 f. o. b., Washington.

Chevy Chase Greenhouses, CHEVY CHASE, Maryland.

FINE STOCK OF.... PALMS

Areca Lutescens—4-inch, 25c; 5-inch, 50c; 6-inch, $1.00 each.
Latania Borbonica—3-inch, $10.00 per 100; 4-inch, 20c each; $16 per 100.
Kentia Belmoreana—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each.
Kentia Forsteriana—5-inch, 60c; 6-inch, $1.00 each.
Cocos Weddeliana—3-inch, $20 per 100; 4-inch, $50 per 100.
Araucarias—60c, $1.00, $2.00 and up.
Ficus Elastica—From 25c to $1.00 and up.
Fine Specimen Plants of above in larger sizes at low prices.
New Ageratum Princess Pauline—2-inch pots, 15c each.
Spiraea Japonica—25c each.
Lilium Harrisii—25c and 50c each.
Hydrangeas—50c, 75c and $1.00, each.

Special low prices on all kinds of Bedding Plants. Terms Cash or satisfactory reference.

JOHN BADER,
Long Distance 'Phone 872. ALLEGHENY, PA.

Pure Bone Flour,

FOR FLORISTS' USE.

AMMONIA..... 5 per cent.
NITROGEN..... 4.15 "
BONE PHOSPHATE.55 "

Pure Dried Blood,

AMMONIA.....16 per cent.
NITROGEN.....13.22 "

Write for Prices.

We also manufacture an ODORLESS LAWN FOOD

THE WALKER FERTILIZER CO.,
CLIFTON SPRINGS, N. Y.

FLORISTS' STOCK OF BEDDING PLANTS.

Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc. Write for prices. Florists are invited to look over our stock when in Milwaukee.

ARCHIE MIDDLEMASS,
1019 Forest Home Ave., MILWAUKEE, Wis.

Always Mention the....
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When Writing Advertisers.

ROCHESTER, N. Y.

Flowers are abundant and cheap, but the demand has been good for the last two weeks, and but little goes to waste so far. Prices are low and very unsteady. Some days an encouraging improvement is noticed, but it does not last very long, and the next morning may see job lots offered at ridiculously low figures again. Still, our retail florists are not complaining much. Sales during the past month compare very favorably with those of any April for some years past. Of course, this may largely be due to the increase in Easter trade, but there were not many real dull days for them since Easter, and quite often they were very busy and had to work late at night.

The trade in bedding plants is beginning earlier than usual; they are in evidence everywhere in all parts of the city. The present balmy spring weather is favoring early planting and people are impatient, though it is by no means safe to risk any of this soft stuff outside, except perhaps in well sheltered city yards. For years low prices were the rule here for all kinds of bedding plants. This season is no exception, and in all probability they will fall lower than ever before the end of the month.

J. W. Keller is settling up his business accounts, with the intention of quitting the wholesale flower business. Rochester florists will have to get along without a commission house, unless a new man starts in.

Around the entrance to Mount Hope Cemetery additional greenhouses have been built lately by several firms, one of them a new beginner; strange it seems that at the other end of the city, where two large and well patronized cemeteries are located close together, nobody starts in. Flowers to decorate the graves there have to be brought from the city stores. K.

MR. P. VOS, of the Holland Bulb Co., sailed from New York for Liverpool on the Umbria April 30. He reports a very satisfactory trip among the American trade and is especially gratified that he found all his customers well pleased with the bulbs shipped by him last year.

IN THE notes from Madison, N. J., on page 882 of last week's issue, a typographical error in a line in the last paragraph transformed a "hat mix up" into a "hot mix up." It was a mix up of hats, but not a heated one.

WARREN, O.—Mr. Geo. W. Gaskill has been quite sick for several weeks, but is now convalescent and expects to soon be able to be about again.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

Last Call For Field-Grown Roses!

ORDER BEFORE IT IS TOO LATE.

We still have to offer an exceptionally fine lot of

HYBRID PERPETUAL ROSES,

extra strong field-grown plants of the very finest sorts, such as **Mrs. John Laing, Ulrich Brunner, Mme. Gabrielle Luizet, Paul Neyron, Magna Charta, Gloire de Paris, Baroness de Rothschild, Gen. Jacqueminot, etc.** This is fine stock for potting for late spring sales or for out-door planting—fine strong blooming stock. We offer it as long as unsold at **$12.00 per 100.**

We have to offer also, a magnificent lot of

YELLOW RAMBLER ROSES,

strong dormant plants, 3½-inch pots, **$10. per 100;** 5-inch pots or strong field-grown plants, **$20.00 per 100.**

We offer also fine strong field-grown plants of

CRIMSON, WHITE AND PINK RAMBLERS,

at same price as Yellow Rambler.

We have a large stock of extra strong field-grown plants of **CLEMATIS**—finest sorts—**Mme. Ed. Andre, Jackmanii, Henryii,** and **Hybrida Sieboldii. Price, $30.00 per 100.**

CLEMATIS PANICULATA—extra strong field-grown plants, **$15.00 per 100.**

HYDRANGEA PANICULATA GRANDIFLORA—strong field-grown plants, 3 ft. high, **$12.00 per 100.**

AZALEA MOLLIS—extra fine, well budded plants, very bushy, **$35.00 per 100.**

We have also a few thousand **SPIRAEAS** left, which will make nice stock for potting for Decoration Day. Can offer strong clumps as follows: **Spiræa Astilboides Floribunda,** $5.00 per 100; case 250 clumps, $10.00. **Spiræa Compacta Multiflora,** $6.00 per 100; case 250 clumps, $12.50.

See our special offer of **HYDRANGEA OTAKSA** in last week's Review. This offer will hold good for this week. We sold a lot of this stock last week, and will hold the same offer open for another week. If you want any Hydrangea Otaksa, now is the time to buy it. Full particulars in last week's ad.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

SOW NOW PRIMULA SINENSIS FIMBRIATA, (or Chinese Primrose.)

ENGLISH "GIANT EXHIBITION PRIZE" STRAIN.

A unique strain adapted for every purpose, but especially valuable for Florists. This seed has been saved by the most experienced grower in England. Every possible care has been used in the selection and harvesting; only flowers of good form and substance, produced by plants of robust constitution and faultless habit, have been used for this purpose.

ROSEA (Pink), **Chiswick Red.** **COCCINEA SUPERBA** (Crimson).
ALBA MAGNIFICA (White). **COERULEA** (beautiful Blue).
VILLAGE MAID (White, striped with Crimson). **MIXED** (all Colors.)

Price per packet, **about 500 Seeds,** of any of above varieties, **$1.00.** Half packets **50c** each.

STUMPP & WALTER CO., SEED AND BULB GROWERS, 50 Barclay Street, - NEW YORK.

5,000 Extra fine three-year-old... Clematis In the best Leading Varieties:::

Holland grown. No reasonable offer refused. Write for prices or make a cash offer. **Lily of the Valley and all Spring Bulbs on hand now.**

Write for Prices to..... F. W. O. SCHMITZ, Jersey City, N. J.

IF YOU ← Have Any Surplus Stock

to sell to the trade, advertise it in the

FLORISTS' REVIEW.

Clematis Paniculata, 3-inch pots, $6.00 per 100:

Violets—Princess of Wales, $3.00 per 100.

Chrysanthemums—Pennsylvania and other fancy and commercial varieties.

For prices, address

G. EISELE,

11th and Jefferson Sts., PHILADELPHIA, Pa.

PANSIES. THE JENNINGS FINEST STRAIN.

THEY ARE GRAND.

Fine stocky plants, in bud and bloom, $10 and $12.50 per 1000; $1.50 per 100, by express. Small plants by mail, 75c per 100. Seed, $1 pkg. Cash with order. Lock Box 254.

E. B. JENNINGS,

Grower of the Finest Pansies. Southport, Conn.

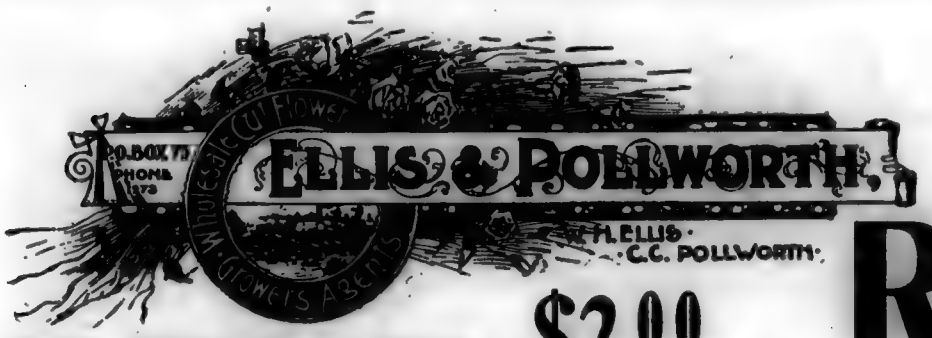
Sphagnum Moss

A very select quality, 75c per bale, 10 bales $6.00.....Grown and packed by

M. I. LYONS, - Babcock, Wis.

Write for prices on car lots.

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Young Rose Stock

BRIDES, BRIDESMAIDS and PERLES, 2½-inch stock, to close them out at $2.00 Per 100

2000 Belle Siebrecht at **$2.00** per 100; or will exchange for other stock.

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JADOO AT GHENT.

[Extract from letter from Col. C. Halford Thompson, Exeter, England, dated April 21, 1898.]

"At last we have a big score to give you from this side of the Atlantic. At the big show at Ghent—said to be the largest in Europe—amidst the strongest competition of the whole of the Dutch growers, Messrs. Byvoet Brothers, of Overveen, Haarlem, Holland, won the highest prize in the show for a magnificent group of hyacinths, 150 plants in 50 varieties, and also won a gold medal for the first prize for best collection of 100 hyacinths. In both cases the plants were grown in a mixture of Jadoo Fibre and Dutch sand. The well known grower, Van Houtte, was competing in both these cases.

"The actual awards were: For collection of 150 hyacinths: First, work of art, value 300 francs, unanimously awarded to Messrs. Byvoet Bros.; second, gold medal, value 150 francs, awarded to Van Houtte; third, gold medal, value 50 francs, awarded to Kuyk. For collection of 100 hyacinths: First, gold medal, value 100 francs, Byvoet Bros.; second, gold medal, value 50 francs, Kuyk; third, bronze medal, Van Houtte.

"The fact that so well known a grower as Van Houtte was among those beaten greatly enhances the value of the success, which will go a long way to bring Jadoo into use for bulbs of all sorts here. The actual quantity used was one-third Jadoo Fibre to two-thirds Dutch sand, but as the Dutch sand is itself very good for bulbs, it practically shows the use of half and half to be best."

GRAND RAPIDS, MICH.

From cold and wet, the weather has now changed and is fine and spring-like—so fine, in fact, that some people are already beginning to plant out geraniums and other of the hardier plants. Trade continues good; roses equal to the demand; carnations are scarce, though what there are are fine.

Dark violets are over and Crabb & Hunter are the only ones picking any at all. They have a house of Lady Hume Campbell, which are still fine. All are cutting sweet peas, and they and swainsona help out funeral work amazingly, of which there is still a steady stream.

Fashionable weddings and ante-nuptial teas and breakfasts are of almost daily occurrence, and keep the supply down close.

The spring bulb agent has blossomed again, although his bookings this year, on the whole, are not quite so large as last season.

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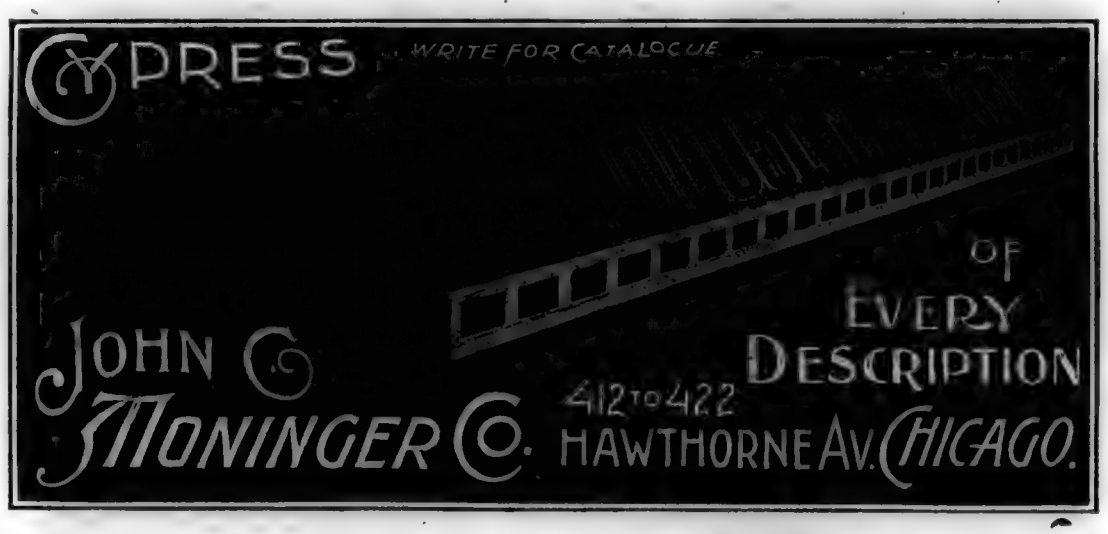
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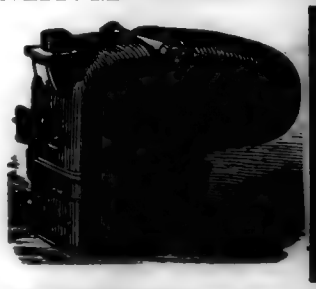


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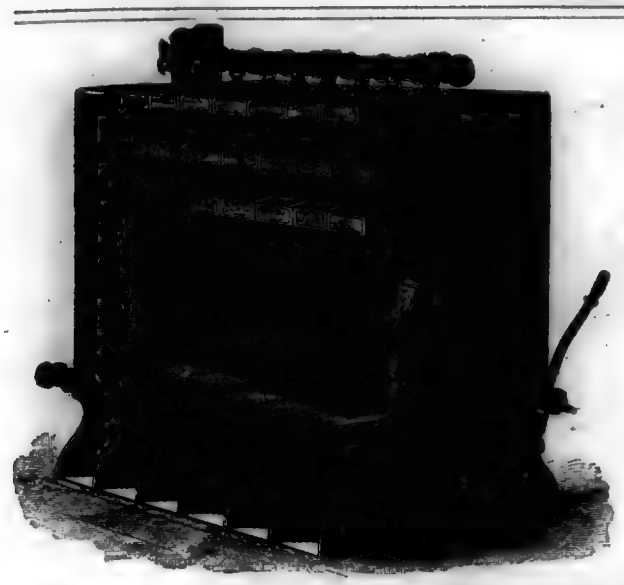
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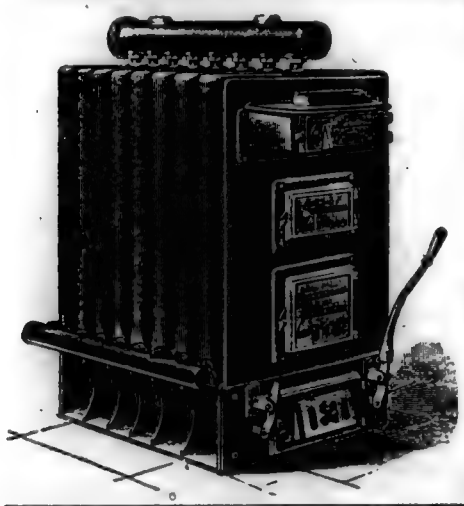
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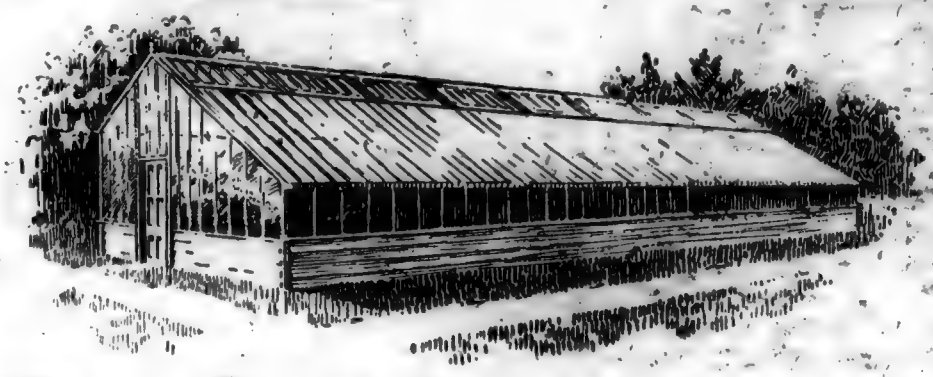
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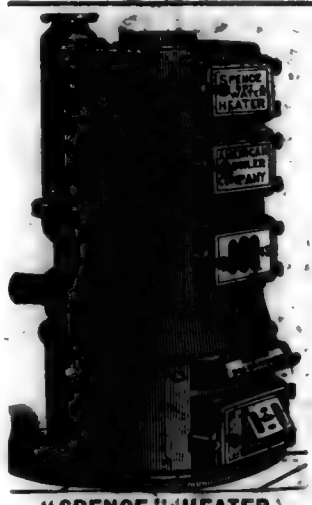
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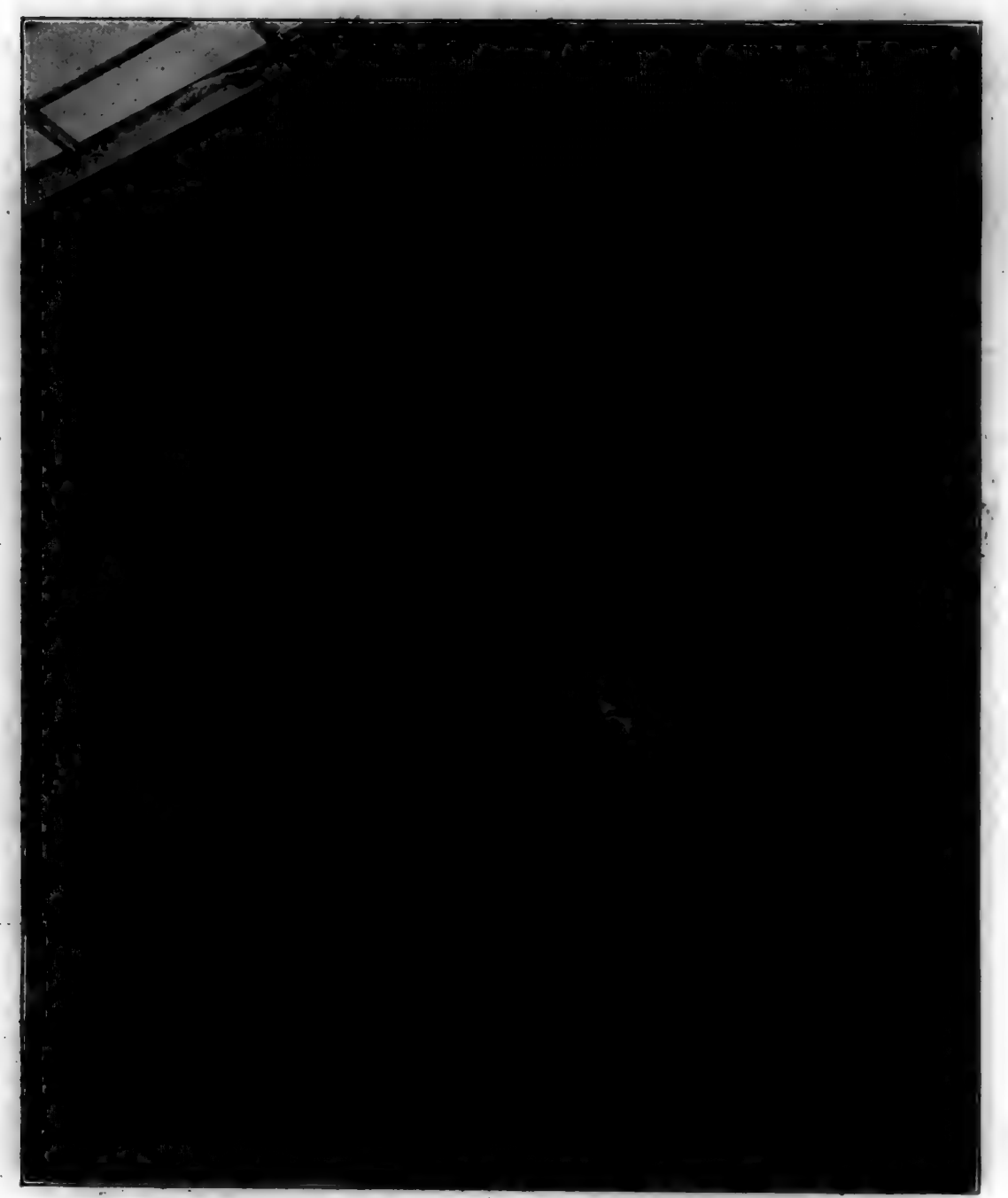
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Vol. 1. CHICAGO AND NEW YORK, MAY 12, 1898. No. 24.



End Wall of the Warm House at Lincoln Park, Chicago.

COVERING CONSERVATORY WALLS.

That the otherwise unornamental end wall of a conservatory may be transformed into a thing of beauty is well depicted in the accompanying illustration, in which is shown a portion of the warm house at Lincoln Park, Chicago.

The first step toward this very pleasing result with the wall in question was made by attaching to the wall a covering of rough oak bark, in order to provide a moisture retainer, and at the same time to furnish a suitable surface to which the various climbing plants might attach themselves.

This was done about two years ago, and in the opinion of Mr. Stromback, under whose efficient supervision the work was done, the oak bark did not give the best results at first, owing to the amount of tannic acid it contained, this apparently repelling the plants for a time. In all probability this difficulty would have been overcome by the use of sheets of virgin cork in preference to other bark, the cork being very enduring and likewise attractive to the roots of many plants, its frequent use for orchid blocks being an example of its adaptability for such purposes.

In the Lincoln Park conservatory the plants are planted in a narrow trough or box placed close to the wall and at the back of the bench, the box being filled with light, rich soil, and requiring careful attention in regard to watering, the plants used being without exception moisture-loving subjects.

Among the plants used here are several of the philodendrons, one of the most satisfactory being P. varicosum (or P. Carderii), the large leaves of which appear in the upper central portion of the picture, while P. aureum is displayed to advantage at the left of the preceding. Various species of pothos are also found very effective,

the regularly spaced leaves of P. celatocaulis lying flat against the wall, being shown on the right.

Other prominent features in the picture are the beautiful specimens of Polypodium subauriculatum suspended in a basket from the roof, the luxuriant growth of which gives a good idea of one of the most beautiful basket ferns, and the thrifty and well-grown example of Calathea zebrina in the foreground. Several aroids, dracaenas and other foliage plants occupy the base of the picture, and a careful examination reveals Mr. Stromback, who is almost hidden behind the large calathea referred to above.

In addition to the plants noted, some of the ficus are well adapted for covering walls. F. stipulata and its variety minima, and also F. barbata being especially good for this purpose, their growth being rapid and the foliage having but little attraction for insects.

Piper porphyrophylla is another good subject for such use, its growth clinging closely to the wall, and its large, velvety leaves of dark green, marked with pink, being singularly attractive. From the fact that the plants to which reference has been made are natives of the tropics, it will be readily understood that a warm house and abundant moisture in the atmosphere are among the essentials to success in this kind of gardening, and frequent syringing helps much in establishing the plants upon the wall. Shading is also required throughout the greater part of the year, and especially so if the wall to be covered happens to face the south.

Clean young plants only should be planted for wall covering, it being practically impossible to eradicate such insects as scale and mealy bug when once established among the climbers on the wall, and if such an unfortunate condition should be discovered, the only true remedy would be found in tearing the whole arrangement out, thoroughly cleansing the wall and woodwork and then beginning over again. T. H.



Feeding.

Perhaps it is early yet to talk about feeding "mums," but last year one florist I know began to feed his plants with liquid manure in May. His result did not make any great stir in the exhibition world, and this year he will use more judgment and less manure. The mum is universally conceded to be one of the grossest of feeders, and in consequence the man that is starting out for the first time to grow exhibition flowers often makes a great mistake by beginning to feed long before the plants need it. What is the result? The plants grow very rapidly, but the growth is of a soft, long-jointed, sappy nature, the tissues of the stem never solidify, and firm, well-ripened wood is an impossibility. It is a fact that fine flowers were never yet cut from plants that had been rushed up seven or eight feet high in about six weeks; the wood must be matured.

When filling the benches, use good loam, full of fibre, with a liberal sprinkling of wood ashes and a little bone meal mixed through it. If the benches are planted in June, this will carry the plants along without any feeding at all, till they show the bud, all other details of culture having been properly attended to. Then, when the bud is taken, feeding can be indulged in to almost any extent, with the certainty that it is going where it will do the most good, namely, into the future flower, and having a sound basis of healthy, naturally grown wood to work on. Fertilizers at that time on such plants can be calculated to be three times as effective as they will be on plants that have become gross and bloated from early feeding.

We are not in sympathy with the idea of mixing a lot of crude manure with the soil. We prefer to use it later in the season as a mulch when the bench is full of roots. That is the time when it is beneficial. If the soil is heavy and deficient in fiber, a little old mushroom bed manure benefits it. Of course, no hard and fast line regarding feeding can be laid down; the grower, if he is interested in his work and is in sympathy with his plants, feels rather than knows when they need a stimulant. It may be that a yellow tinge shows in the leaves as a danger signal that digestion is not as it should be; then the water supply should be decreased and a little tonic of nitrate of soda administered. In a hundred ways will a plant show an observant and inquiring mind if it is happy in its surroundings, ways that are learned more by experience than anything else.

The great trouble is that we get into a rut and from year to year add our fourth or sixth part of cow manure to the soil without questioning whether it's right or wrong. By using proper care we have grown exhibition flowers in soil innocent of even the faintest trace of manure at planting time. Some growers claim that by the use of chemical fertilizers natural manures can be dispensed with altogether. It may be so, though it always seemed to us that best results were obtained where both were used, alternating from one to the other, thus giving the chemicals a chance to work on the manure, making its good properties soluble and in a condition to be taken up immediately by the plant.

We will refer to this question of feeding later on in the season, but if you are a beginner and feel tempted to use very rich soil, our advice is, don't do it. C. TOTTY.

WISTARIAS FOR FORCING.

One of the most pleasing novelties as a florists' plant that I saw amongst the great displays of flowering plants in the stores at Easter was the Wistarias, in neat bushy specimens about 3 feet high, adorned with several of its characteristic long, pendulous sprays of purple-blue flowers. Wistarias, as flowering vines for covering walls or any bare structure about the home, have been popular for many years, but the beauty of these forced plants serves to "point a moral and adorn a tale" by showing that whilst we scour the world for something new to offer, there are scores of available plants about us quite as well adapted to use and more likely to find favor from personal knowledge of them and associations therewith.

Possibly the wistaria best adapted for pot growth and forcing is the native American species W. frutescens, it being of a more bushy habit of growth than its Japanese relatives. A stock of it could be easily and cheaply raised from seed which it ripens freely in the open air, and the seed sown outside in spring will germinate readily. Given good cultivation in well enriched ground, the plants should attain a useful flowering size in two or three years, and beyond keeping them clean, the attention needed would be small.

The aim of the grower should be to secure the formation of flowering spurs, that is, short side branches, and to encourage this, gross growths that manifest a tendency to run away from the balance of the plant should be pinched two or three times during the growing season.

When plants of a desirable size have been secured, they could be lifted and potted in the fall and given ordinary forcing conditions, which for this plant need not be extreme, as being naturally precocious outside, it will quickly respond to the stimulus of forcing conditions under glass. The blue and pure white forms of Wistaria japonica are just as amenable, and more beautiful still, having much longer racemes of flowers. They, too, can be increased from seed or by layers, and systematic stopping of their

long, rampant shoots would induce the early formation of flowering spurs.

Many florists who would force stock of this description have no facilities for raising it at home, but the man with land lying idle and available resources would find an open and, I think, profitable field of industry in preparing forcing stock of this description of the most suitable flowering shrubs and hardy perennial plants.

A. HERRINGTON.

Madison, N. J.

A PHILADELPHIA STORE.

Just before Easter two photographs were taken for The Review at the store of Mr. Robert Crawford, Jr., 2335 Eleventh street, Philadelphia. The first picture shows a portion of the store, the view being toward the street. Just outside the front door Mr. Crawford is standing, keeping back the people while his store is being taken. This was pretty good of him when you consider it was in the middle of the rush.

On the right is the counter backed by the showy refrigerator, and on the left a handsome mirror, the special pride and glory of this beautiful store.

The second picture shows the greenhouse in the rear of Mr. Crawford's store, filled with Easter plants in bloom.

J. W. Y.



View in the Store of Mr. Robert Crawford, Philadelphia, at Easter.



View in Show House attached to store of Mr. Robert Crawford, Philadelphia, at Easter.

PALMS AND FERNS.

The subject for discussion at the meeting of the Chicago Florists' Club last Friday evening was "Palms, Ferns and Other Decorative Plants."

The subject was opened by Mr. E. Wienhoeber. He spoke of the remarkable increase in the use of palms and ferns during recent years, and said that now every florist was really obliged to keep a stock on hand. In palms he considered the arecas more decorative than the kentias, but the latter stood wear and tear much better and gave customers more satisfaction as house plants.

In the supplying of plants for decorations he had noted a good deal of unwise cutting of prices. He held there was no profit in renting plants for decoration at $10 or $12 a load. A load of good decorative plants should be worth about $75, and as they always came back considerably injured he felt there was no profit in renting them out at one-seventh of their value. In his own business he makes it a point never to rent plants by the load. He will supply a decoration at a fixed figure, and aims to put the value into the decoration by taste in arrangement rather than quantity of material, but never rents plants by quantity. "A load of plants stood in a row is not a decoration," was a point strongly emphasized by the speaker, and he held that "decorations" of that character were a distinct injury to the trade. Plant decorations should display taste and skill in adapting the decoration to the apartment to be decorated, and for that ability a fair price should be secured, in addition to proper value for the plants used. He admitted that competition made it difficult to maintain this high standard. For years he had supplied the decoration for an annual event at one of the local clubs, for which he had received $40 each year. Two years ago another florist had secured the work by doing it for $25. He knew that the florist who now had the work could not possibly make a fair profit, and that there was a noticeable difference in the quality of the work was evidenced by the fact that when the club had recently had some distinguished visitors it had come back to him for a decoration and had paid the price he insisted upon. He felt that the competing florist had done the whole trade an injury by cheapening work which was already being done at a very moderate price. He hoped florists would see it was to their own

best interests to hold prices on decorations at a point where there was a profit in it, and not so frequently do the work at a loss with the idea that other benefits might accrue and which are rarely realized.

He liked the rhapis as a palm for decorating, and admired Pandanus Veitchii in a decoration, though it is too often injured to make it a profitable plant to so use, unless an adequate price is obtained. Crotons are pretty, but too costly to use.

Last year he found it difficult to sell palms of large size. This year more large ones had been sold, though the prices had not been as high as they should have been. Kentia Belmoreana seems to be the favorite house plant. They give the customer satisfaction for a long period and where a failure occurs it is generally found that the plant had been permitted to become practically dried up for want of water.

The average customer expects the florist to supply a new plant gratis if the first one has quickly suffered damage, and it is generally impossible to convince such customers that they are to blame in the premises. It is an aggravating condition to deal with, but he believed it wiser to suffer some little loss in this way than to have a customer dissatisfied. So long as a customer's trade is worth having at all it is worth something to hold it, and it is cheaper to hold it by making some concessions of this sort than to secure new customers during these days of sharp competition. He found that buyers do not fully appreciate the value of a palm until they have had one a year or so; then they begin to understand why a palm is an expensive plant and to appreciate it at its true worth.

People seemed to like the decorative effect of the latania better than that of other palms, but the edges of the leaves were apt to soon turn brown and the plant be condemned on that account. He had tried Livistona rotundifolia, but it did not give satisfaction in the hands of customers. Cocos Weddelliana seemed to give excellent satisfaction. He had also tried a quantity of Areca Bauerii, but it lasted no better than a seaforthia when used as a house plant. In his opinion Pandanus utilis is an excellent house plant, and Pandanus Veitchii will give satisfaction if the customer understands how to care for it.

In ferns, Nephrolepis exaltata Bostoniensis had given splendid satisfaction to his customers. He asked: "Why is exaltata generally infested with scale, while Bostoniensis is entirely free from them? That has been my experience. I have handled about 2,700 plants of Bostoniensis and have never seen a scale on one."

Polypodium aureum has given satisfaction so far as he has tried it. He noted that the demand for fern dishes had very largely increased of late years, and believed the demand would continue to grow. People that cannot afford a regular supply of cut flowers will buy the fern dishes. But he believed that they lost the florist many sales of cut flowers.

For fern dishes he found the pteris varieties the most lasting. He noted the lack of a good variegated plant suitable to mix in with the ferns to relieve the monotony of all green foliage. He has as yet found nothing of the sort that will last well. He felt that the sales of ferns by the growers during the last two years must have been very greatly increased.

Mr. A. McAdams next spoke and called attention to Cyrtomium falcatum, which he considered the most lasting of all sorts to use in fern dishes. He found that where this fern had been used it was always the last to succumb to adverse conditions. It will stand dry heat better than any other fern, but is subject to scale. He had also found Pteris magnifica a very useful fern.

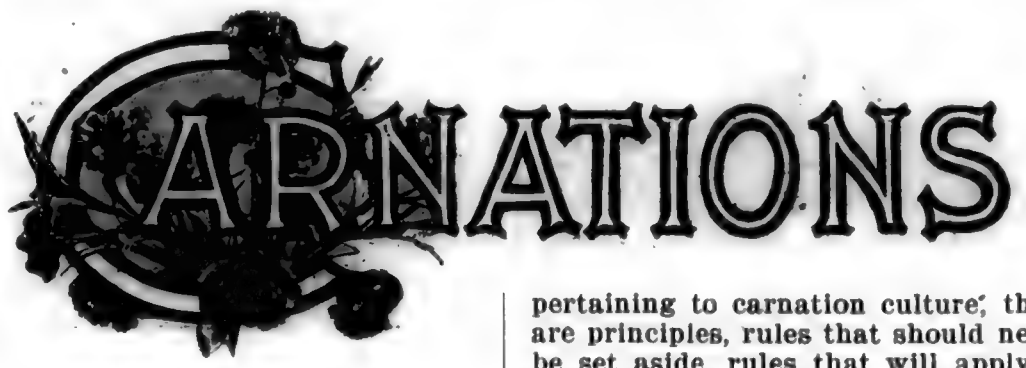
He noted that Mr. Wienhoeber had not mentioned the phoenix among his palms. He considered it the most lasting palm for the house, and thought P. rupicola, when character well shown, a very beautiful plant. He had sold many and they gave satisfaction.

Mr. Wienhoeber replied that he had sold a quantity of Phoenix canariensis, but customers had generally brought them back, complaining that the plant was too stiff in appearance. He had tried a few plants of Cycas Siamensis, and it had given very good satisfaction as a house plant.

Mr. J. T. Anthony thought there was an excellent opening in Chicago for a grower of palms, ferns and other decorative plants. He said there was never enough stock of suitable sizes and that the great bulk of the plants used had to be brought from eastern cities. He had found the growing of Pandanus Veitchii very profitable. He had retailed plants at $2 each that were only twelve weeks from the cutting, but the cutting was a strong one. In the summer time he found no difficulty in rooting the cuttings in a palm house. He potted the cutting right into the soil. He thought there was room for many more rubbers, and that they should be produced by local growers. He held that Chicago is now the greatest shipping point for cut flowers in the world, but that the production of cut flowers is being overdone. That some of the glass could be more profitably devoted to plants for which there is already a steady and reliable demand.

He noted that small ferns were nearly always cheap in the fall, but from January to May there was generally a shortage. The cause of the surplus in fall was due to the fact that the large eastern growers produced large quantities in summer, carried till fall in frames covered with canvas or other shading. He believed it was just as easy to have ferns of suitable size ready for December to April as earlier, and that good prices could always be obtained for them. He believed there was more money in growing ferns than palms.

There was quite a discussion as to the amount of capital required to start in the business of growing palms. Mr. Wienhoeber felt he would not like to start such an establishment with a capital of less than $50,000. Mr. Anthony held that an extra outlay of $500 would be sufficient to start a florist who already had suitable glass. He told of the way the eastern growers put growth on their palms during the summer months by giving bottom heat at night. The plants are kept quite moist, but never syringed late in the afternoon. Often the pots are plunged in some material retentive of moisture. Mr. Anthony believed the returns from palms would be as quick as from roses, but others seemed to feel that he was over sanguine as to this.



FIELDWORK—CULTIVATING.

Cultivating, to work and keep the soil in a condition to insure the best results, is the first work to attend to, and should not be neglected, for on it depends to a large extent the retention of moisture for the summer's hot and dry days. This work has to be kept up from now on until the plants are again housed. As in every other work, pertaining to carnation culture, there are principles, rules that should never be set aside, rules that will apply in the same way to the culture of every other plant, being universal, and still they are sometimes neglected.

In our summer culture we are dependent on the weather. Continued copious rains will render the soil untillable, and if the land has no natural drainage, it certainly should have been provided for in the preparation of the ground. But in cultivating we touch the opposite, as it is desirable

to retain a degree of moisture for the sustenance and growth of the plants in dry weather. We all know the effect of wet and dry weather on the welfare of the plants. While in wet weather the plants may make a more rapid growth, they are in danger of being affected by fungous diseases; in dry weather we notice the healthiest growth, and to preserve and retain the required moisture is the first and foremost object of cultivating.

In the so-much recommended method of sub-watering on the benches in the house, we find the surface of the soil remains in the same condition at one time as another, that is dry but loose and mellow, open to the air. But this is only on the surface; it is moist 1 or 1½ inches below the soil, being kept so by that capillary action, drawing the water up from the bottom through a layer of brick so long as there is a supply of water. Now to insure the same action in the field, to draw up the moisture from below, the surface has to be in the same condition as on the bench, loose and mellow, accessible to the air. Now on the other hand, the roots of the plant revel near the surface; there they find the most food, caused by a more rapid decomposition of the nutritious elements in closer contact with the air. So it is conclusive that we should cultivate only superficially, say to the depth of about two inches; we desire to facilitate that capillary power, without injuring the roots of the plants. To cultivate judiciously we must never touch the soil when too wet, nor wait until it becomes dry and baked. The soil should be in a condition so it can be reduced to the consistency of ashes.

The necessary rains to supply moisture to the soil; at the same time destroy our provisionary work intended to retain the same during dry weather; so it has to be renewed after every rain, as soon as the soil is in a proper condition to do it. It is poor policy to wait for another probable rain, to save the work of doing it over again; a delay will prove very harmful if that expected rain should not materialize. There is another object in cultivating, that is, the destruction of weeds, ignorantly often supposed to be the main object of cultivating, but if the first mentioned is thoroughly carried out, weeds will certainly have no chance to grow, and need no further consideration.

I mentioned in my notes on planting that I prefer hand cultivating to horse cultivating, and my reason for the same is that the horse cultivator generally runs too deep and leaves the soil in too rugged a condition to my taste, while with hand cultivating the rows can be planted closer, the same number of plants occupying less ground, consequently less to cultivate; and, as with a good hand cultivator, one man can do the work of six with hoes, there is little difference in the saving of time and labor, and besides makes better, more careful and more satisfactory work.

We use the "Gem" hand cultivator, a very satisfactory and cheap implement, and when the little shovels are worn off they can be replaced with a new set at small expense. As a cultivator will not touch the soil between the plants in the rows, this has necessarily to be gone over with a hoe, and never allow any ground to be hilled up around a plant, for this is even with deep planting and invites stem rot.

I may mention here the relative subject of watering. With a rigid adherence to the principle of cultivating, there is no necessity for watering in the field, and the results far surpass that of watering. To my experience watering has proved with me a useless, ineffective work, and at times has been a positive injury, and expensive besides. To my impression watering, during a time of drouth, will only be of benefit by a system of irrigation or better by sub-watering with the aid of tiles.

FRED DORNER.

MISCELLANEOUS SEASONABLE HINTS.

Cuttings.

You should take advantage of the last week or two of firing to put in a good batch of cuttings that may yet be useful. In our latitude there is considerable bedding out done as late as middle of June, and coleus and other quick growing bedding plants will make acceptable plants in 4 weeks.

Chrysanthemums.

Above all you should put in at once a large lot of chrysanthemums. A few varieties like Bonnaffon, Jerome Jones and Ivory should have been propagated six weeks ago to obtain the best flowers, but sorts like Niveus, Maud Dean and Lincoln can be propagated this month. Many florists will be so busy for the next 4 or 5 weeks that chrysanthemums not planted in the beds are liable to get neglected. Many will be in 2-inch pots and as shade is not at all desirable they will often suffer for water.

Although a chrysanthemum will evolve from a wiry, abused plant into a fairly good healthy growth and produce a good flower, yet it is not fair to expect that it will do this in all cases, and before you get so busy that you can think of nothing but filling orders you should try and get them in shape to withstand a month's comparative neglect. Two inch, that have the pots filled with roots, can be shifted into 3-inch, and 3-inch propagated early into 4-inch. If you don't have bench room, you will be sure to have room out of doors, and a board 6 inches deep and the beds not over 6 feet wide, with the pots plunged in coal ashes, will be just the place for them. The sun and air will give them the firmness and partial ripening of the wood, essential in many varieties, much better than being under glass, in the glaring sun and starved for root room. Whenever you can spare a bench for mums and want fine flowers, you should plant at once.

Some years ago we were told to put an inch of cow manure on the bench and 4 or 5 inches of soil on that. We did not find it a good plan. The bench should be constructed so that water will pass freely between the boards, at least a good half inch between the boards or planks. Five inches of a rather heavy loam is, I think, just as good as 10 inches and more easily managed. A fifth of half decomposed animal manure and one quart of bone flour to 2 bushels of soil will be an excellent mixture. I will just add that they are often planted needlessly far apart. It is a waste of most valuable space and of little benefit to the plants. The rows nine inches apart and the plants 6 inches from each other will grow just as fine mums. as you are likely to get a demand for. If you intend to have 2 or 3 flowers to a plant then 10 inches between rows and 8 inches between plants will be sufficient.

Hydrangeas.

There is always a good demand for these every spring. As an Easter plant we don't think them quite so satisfactory as many other plants, but if wanted on that occasion you may as well have them as to buy them. For Easter sales cuttings should have been struck as early as end of January and be now in 3-inch pots. When well rooted in these, and having made a growth of 4 or 5 joints they should be stopped by pinching out the center growth. Towards end of month they should be shifted into 6-inch pots or

at least a 5-inch, and plunged in some convenient material out of doors in the broad sun. They will make a strong growth and develop strong eyes that will give you fine flowers next spring. These plants ripen their wood and flower much better than those planted out, but for selling at this date and later the young plants are just as well planted out, and are much less trouble. I noticed last year a few dozen planted out in a deep, rich black muck, rather wet subsoil, which made a tremendous growth; that was hardly desirable. A good loam is the best, but it is well to have them within reach of the hose in case of a very dry time.

Geraniums for Winter.

The plebeian geranium is little grown now except as a flower garden plant, and for that it is a universal favorite, but as a fall and winter flowering plant it is still useful and frequently asked for. To have useful plants that will produce good flowers you should select some medium strong, young plants; strong shoots should be stopped and all flower buds kept pinched off. If they are in 4-inch pots now, by middle of June they can go into 5-inch, and later into 6 or 7-inch. They could be grown under glass all summer without any shade, and their pots plunged to the rim to keep them from drying out over much, or they could be plunged outside with just as good results, only in case of several days of heavy rain they get water soaked, and that means yellow leaves. If the buds are kept picked off all summer the plants will be anxious to bloom and will flower profusely whenever you choose to let them. Only grow the doubles, or more correctly speaking, the semi-double. Of all varieties that made a good pot plant F. S. Raspail was the best. Mr. E. G. Hill is sending out an Improved Raspail that must be a dandy.

A Useful Spring Flower.

When wandering on the banks of the Delaware two weeks ago I saw a showy yellow flower, it was doronicum. They have been grown in gardens for many years, but this one I saw was not generally known. It is perfectly hardy, grows in any soil, easily divided, and is the earliest of all of our hardy herbaceous plants. It was in flower with us on May 1st, and 7 degrees of frost had no effect on it. It may be coarse, but it is a useful yellow flower, and its extreme earliness makes it quite desirable.

I may be allowed to say that seeing it at Riverton in full flower the end of April I was bound to buy a few. On returning home and going over a little farm, where I have an acre or two of herbaceous plants, I discovered that I had rows of this plant 200 feet long. There is no particular moral to this tale, only it's as well to know what you own before you go off buying. If there is any room for it this doronicum would force most easily. The species or variety I have is "Harper Crewe." I found the flowers wilted the first few hours after cutting, as tulips do, but they scon stiffened up in water.

WM. SCOTT.

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AMERICAN CARNATION SOCIETY.

We have received from Secretary Herr a printed copy of the proceedings of the seventh annual meeting of the American Carnation Society, held in Chicago last February. It contains a full and complete report of all the proceedings, including a stenographic report of the various discussions, and is very interesting reading. The pamphlet is well printed and bound and is a credit to the society.

A copy of the report is sent to all members of the society. If you are not a member, and are a grower of carnations, you should join the society and secure a copy of the report. The membership fee is $2 a year, and applications should be addressed to Albert M. Herr, Secretary, Lancaster, Pa.

CHICAGO.

Club Meeting.

Last Friday evening the Florists' Club held its first meeting in the new quarters in Handel Hall building, 40 Randolph street, and the members were well pleased with the new accommodations. No less than sixteen new members were added to the roll, the largest number ever elected at one meeting. Following is a list of the new members: Archie Spencer, John Zeck, A. C. Kohlbrand, Geo. Asmus, Harry Rowe, Oscar Kreitling, Chas. S. Stewart, L. P. Kelly, Wm. Kyle, Geo. Anderson, Chas. W. Ernie, J. Johnson, E. Clifford Pruner, A. Irolson, Jos. Holy and A. Chester Sedam. The last named is of Zanesville, O.; the others are all of this city.

The subject for the evening was "Palms, Ferns and Other Decorative Plants." A full report of the discussion appears elsewhere in this issue.

The next meeting will be held the evening of Friday, May 20. The subject for discussion will be, "Sweet Peas and Plants for Summer Blooming."

Bowling.

After the club meeting last Friday evening the bowlers adjourned to the alleys and played two warm games. There were three teams of six men each, and the team captained by Ed Winterson won both games, but the high score (188) was made by Robert Schenk, captain of another team. Following are the scores:

Ed. Winterson	135	133
Oscar Kreitling	135	153
A. C. Kohlbrand	112	105
Geo. Stollery	142	96
—— Campbell	123	138
Chas. S. Stewart	102	99
Totals	749	724
Robert Schenk	113	188
Chas. Held	139	124
A. Lange	81	106
Chas. Balluff	153	106
Wm. Kyle	72	114
S. Snedeker	73	80
Totals	631	718
C. W. McKellar	135	121
G. L. Grant	156	140
Fred Hills	105	128
John Degnan	89	89
A. McAdams	150	71
T. F. Keenan	82	95
Totals	717	644

The second score credited to A. McAdams was made by Jas. Hartshorne, who took the former's place after the first game.

The bowlers will now meet for practice every Friday evening at the alleys at 77 Randolph street, and with



Designs at the funeral of Lieutenant Jenkins, at Pittsburg.

regular training some good scores may be looked for. All games will be played exactly as if a tournament was in progress, and all fouls promptly called. At the games last Friday some players were very much surprised to be called down for very slight infractions of the rules, and they will be more careful in future.

The Market.

Conditions in the wholesale market are much better than last week. Last Saturday things brightened up very considerably and prices stiffened up remarkably. The improved conditions were very well maintained Monday. Prices on tea roses range from $2 to $5, the bulk of the stock being marketed at $3 to $4. Good carnations all seem to find sale at $2, except in red, of which there is a surplus. Still good flowers of Jubilee go as high as $4 and other special fancies go at even higher prices.

This has been a season of remarkable fluctuation in prices, the sudden changes in values being at times quite startling.

City trade has been very flat of late, but outside demand has averaged very good, or the growers would have suffered severely.

All the dealers look forward to an unusually good trade for Decoration Day, owing to the military spirit that has been awakened among the people by the war.

Various Items.

Flint Kennicott and O. P. Bassett have returned from their sojourn at the West Baden springs.

E. H. Hunt is now strong enough to visit his place of business, but is still far from strong.

J. A. Budlong's wholesale store will be at 37 and 39 Randolph street. His son, A. H. Budlong, will be manager, and he will be assisted by John Zeck, formerly with Reinberg Bros. and more recently with S. B. Winter. The store will be open for business next Monday.

P. J. Hauswirth recently made up a very handsome wreath of orchids of which we secured a photograph and will soon present an engraving.

C. W. Northrup is sending to Kennicott Bros. Co. flowers of a very handsome yellow tulip, which is called the "Lily Tulip" for lack of another title. The petals are recurved and at a short distance the flowers look very much like a small yellow lily. They take well in the market.

E. H. Hunt recently received a large shipment of wheat and is making up a great number of sheaves. He finds a constantly increasing demand for well made sheaves. Mr. Hunt carries as full and complete a line of florists' supplies as is to be found in the West, and his growing business testifies to an appreciation by the trade of his unfailing courtesy and uniform fair dealing.

Arbor day was most appropriately celebrated in Humboldt Park by the planting of a host of trees by over 2,000 school children. There was an excellent program of speaking and singing in addition to the tree planting, and Superintendent Jensen was much pleased with this first attempt at a proper observance of the day at this park.

E. C. Amling is sending his customers some neatly designed hangers, one containing some patriotic business literature with the American flag in colors, and the other giving the telegraph code.

Recent visitors were A. T. Boddington, of Clucas & Boddington, and Mr. Henry, of Henry & Lee, New York.

President Gude and Secretary Stewart, of the S. A. F., passed through Chicago yesterday (11th inst.), en route for Omaha to make final arrangements for the convention in August.

FUNERAL DESIGNS.

The accompanying engraving is from a photograph, at the funeral of the late Lieutenant Jenkins, of the ill-fated warship Maine, which took place at Pittsburg. The picture shows a number of designs by Pittsburg florists.

At the head of the grave is seen a model in flowers of the battleship, which was arranged by Gustave Ludwig. At the left is a large standing piece arranged by Langhans & Co., and at the right one by Elliott & Ulam. An anchor rests at the foot of the grave.

A detailed description of the three large designs appeared in our Pittsburg notes on page 780 of our issue for April 7.

NEW YORK.

The Club Meeting.

On Monday evening, before the members of the New York Florists' Club were called to order, an impromptu concert was held in which patriotic airs were indulged in to commemorate the victory at Manila, proving that florists have well cultured voices as well as plants and patriotism. Professor Carnation Rosea Violacea presided at the organ.

President Plumb was in the chair and explained that the small attendance was due to the drafting of recruits, many of the craft having gone to Chickamauga and to Camp Black.

After the reading of the minutes the exhibition committee reported that they had met the president and secretary of the New York Gardeners' Club and had conferred with them with regard to holding a joint fall show. The committee reported progress and it was referred back to them to secure more definite information.

A letter was read from the Educational Alliance, inviting the club to hold an exhibition at their own hall during the month of May or June. After considerable discussion it was evident the notice was too short, and the secretary was instructed to so inform the association.

The following gentlemen nominated at the last meeting were then elected: H. A. Kettle, Seabright, N. J.; L. C. Bobbink, Rutherford, N. J.; D. H.

Van Horn, New York city. Adolph Fisher, Great Neck, L. I., was nominated.

The president then introduced Professor Britton, of the Connecticut Agricultural Experiment Station, who gave a very instructive and interesting lecture on "Experiments with Chemical Fertilizers on Greenhouse Plants." The most noticeable fact brought out was an experiment with chemical fertilizers and their effect on carnations. The most satisfactory was from plants grown in coal ashes and peat moss, with the following added: Three lbs. 14 oz. nitrate soda, 1 lb. 1 oz. dissolved boneblack, 1 lb. 13 oz. muriate potash; 3,384 flowers were taken from 100 square feet, or an average of 27 3-10 per plant. Prof. Britton showed several interesting photographs comparing the effects of chemicals on the root and plant action.

Mr. Herrington, in the discussion that followed, thought that the lecture as a whole showed a negative rather than a positive result, and suggested that as Mother Earth had rarely gone back on us he was inclined to think we should not go back on it. A hearty vote of thanks was accorded Prof. Britton.

The essay committee announced that Prof. Elson, of Boston, would be the next entertainer, his subject being "Music and Flowers." They also suggested, as the next meeting would be the last this summer, it should be "ladies' night," and it was unanimously adopted.

On a motion it was unanimously resolved to send a letter of condolence to the family of James D. Burnett, a member of the club, and the secretary was so directed.

The Exhibit.

W. A. Manda showed three seedling Rex begonias very distinct, and a very distinct and new oncidium like Cavendishi undoubtedly a natural hybrid.

In the Market.

The market still continues lifeless, in spite of a considerable lightening of crops, inclement weather and the present international question both contributing to this state of things. To-day, Monday, as I write, however, there is a slight improvement.

Prices remain about the same as last week, with comparatively little change. Some very fine Cattleya Mossiae are being sent in by Mr. A. Herrington, Madison, N. J., and realize 60 cents apiece.

With the summer ahead of them the two Macs, MacDonald & McManus, are in a quandary as to which shall go to the front. They will draw lots next Friday, the 13th.

Obituary.

We are sorry to announce the death of Mr. James D. Burnett, Madison, N. J., last Saturday morning, from consumption of the throat. Mr. Burnett was ill but two days, though he has been ailing for some time. He was a member of the New York Florists' Club and Royal Arcanum, and was well known and liked among the fraternity.

Notes.

Among the visitors were: Robert Craig, William Craig, Philadelphia; Geo. T. King, Hyde Park, Mass.

Mr. Chas. Weathered has been under the weather with grippe, but is now fully on the way to complete recovery.

BOSTON.

Review of the Market.

There has been but little change since my letter of last week, with perhaps the exception of carnations, which are somewhat more plentiful and are selling readily, common stock averaging $2 per 100, while strictly high grade flowers still bring good prices, and are bought up on sight.

Roses are of fine quality for this season of the year, but the supply is in excess of demand, prices ranging from $4 to $10 per 100, while hybrids, of which some very fine Jacks and Brunners are coming in, are cleaned up fairly well at from $1 to $4 per dozen. Quite a few of that old favorite, Souvenir de la Malmaison, are in the market, and sell well, from $1 to $2 per dozen. Some very fine valley, grown in cold frames, is seen, and brings $3 per 100, a few being sold for $4.

The demand is light for violets, 50 cents per 100 being the ruling price. Bulb stock of all kinds is at a discount, while odds and ends, such as spiraeas, stocks, candytuft, etc., are readily taken up by retailers, at prices ranging from $1 to $2.50 per 100.

The Banquet.

The annual banquet of the club took place at Horticultural hall, Tuesday evening, May 3, and was a great surprise to the members, the number present being nearly a hundred, or nearly double the average for the past few years. After a short business meeting the president invited everybody into the lower hall, where the sight of the long, well-filled tables was a feast for the eyes, as well as a creator of a ravenous appetite.

The decorations were planned and carried out by the president, Mr. Geo. Anderson, of Milton, and while they were not elaborate, were very tastily arranged, and the mounds in the center of each table, filled with small American flags, at once aroused the patriotism of all the guests, everyone conceding it to be the most appropriate part of the table decorations.

When the inner man had been satisfied and cigars were passed around and lighted, and each guest had been "buttonholed" with a flag, the president welcomed the guests, and introduced ex-President A. P. Calder as toastmaster, who, in accepting the honor, made one of his own characteristic speeches, which was well received.

Mr. F. L. Harris, of Wellesley, one of the pioneers of the private gardener's craft of this country, was the first speaker called upon. Then came John Galvin, the oldest commercial florist in New England and one of the foremost to start a flower store in the United States.

Mr. George Spaulding, a guest of the club, then favored us with a fine old Irish cradle song, brogue and all, which was the hit of the evening.

After the song Mr. Peter Barr, "the Narcissus King," from London, Eng., was introduced, and gave a very entertaining account of his cordial reception in this country, stating that almost immediately on his landing he had been decorated with the national colors by one of our well known English-American florists.

This gave the toastmaster his cue for the next toast— the "Stars and Stripes," the emblem of the most glorious nation in the world—and every man present, American, English, Scotch, Irish and German, arose and drank (water was the beverage) to "Old Glory" and joined in singing the "Star-Spangled Banner."

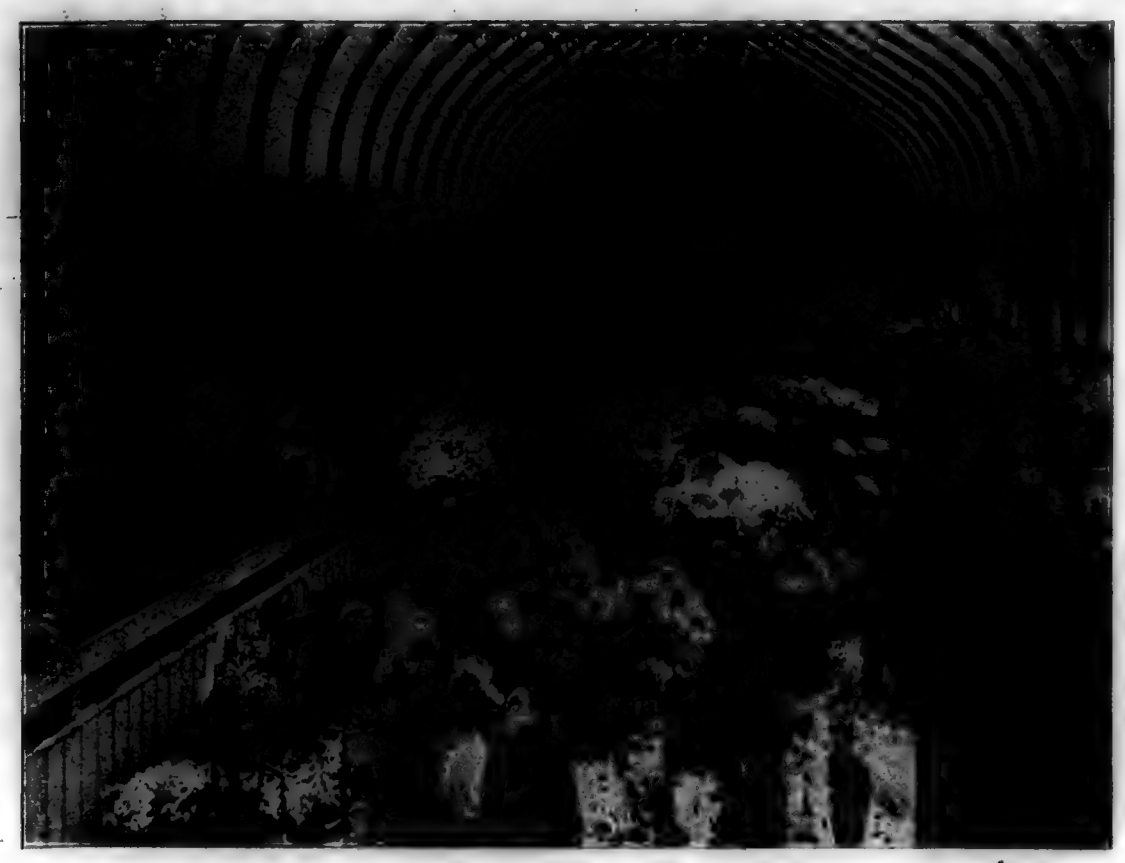
Mr. Lawrence Cotter, after a little persuasion, made a few remarks, during which he called for three cheers for Commodore Dewey, a glorious representative of a glorious nation, which were given with a will.

Following a patriotic song by Mr. Joseph Mahan and the reading of letters of regret from President Kidder, of the Horticultural Society, and Professor Watson, Mr. Spaulding again favored us, this time with a comic recitation.

Mr. Calder then introduced Mr. Warren Ewell, after which Mr. W. W. Tailby and Mr. W. H. Elliott, of the New England Florist, responded for "The Press." Mr. E. H. Hatch and P. Welch were called upon, but had quietly left the hall. Mr. Spaulding then favored us with another song, after which everybody arose and joined in singing "Auld Lang Syne."

The May Exhibition.

The usual May exhibit of the Massachusetts Horticultural Society was held in the lower hall on Saturday, May 7, and could well be called a "Calceolaria exhibition," grand specimens of which were exhibited by Mrs. B. P. Cheney, who captured first and third prizes on collections of six varieites, and third on specimen plants. Dr. C. G. Weld was awarded second prize on collection, while I. S. Bailey received first prize for a magnificent specimen of a clear yellow variety, and fourth on collection. E. S. Converse got third on collection. Dr. C. G. Weld captured all the prizes for azaleas, showing some excellent plants for so late in the season.



Easter Display in the Show-house of Mr. E. Wienhoeber, Chicago.

The Joseph S. Fay estate made a fine exhibit of pansy blooms, being awarded three prizes and a gratuity. N. T. Kidder showed pelargoniums and received first prize. Edward J. Mitton, of Brookline, was awarded a gratuity for a fine specimen hanging plant, Citroderia Fulgida. He also exhibited a well-grown plant of a very old favorite, Saxifraga sarmentosa.

J. E. Rothwell exhibited a plant of the exquisitely colored Phalaenopsis Harrittae, originated by crossing P. grandiflora and violacea, and supposed to be the only plant of this variety in America. A single flower of a seedling Cypripedium Lawrenceanum, exhibited by C. G. Roebling, Trenton, N. J., was awarded a certificate.

The usual exhibit of seasonable wild flowers was made by Mrs. P. D. Richards and others.

Wm. Nicholson, the carnationist of Framingham, received a prize and a gratuity for tomatoes, which he grows as a crop to succeed chrysanthemums.

News Items.

The stallholders of the market are exhibiting their patriotism by decorating the ceiling and columns with bunting and flags.

The creditors of Geo. Mullen, who did business under his wife's name as L. Mullen, have most of them signed a paper accepting twenty-five cents on the dollar.

C. J. Harvey, florist, of Highlandville, has gone out of business.

Mark Harris, who failed directly after Easter, is offering his creditors 25 cents, but is doubtful if they will accept it.

W. J. Kennedy, former manager of the market, has been appointed assistant to Supt. Doogue, and will be in charge of Boston Common.

The store fittings of the late firm of L. J. & W. J. Doogue will be sold at auction on Tuesday, May 10, by N. F. McCarthy. They originally cost $5,000.

Among visitors to the Hub this week are G. W. Smith, of Fall River, Mass., and Mr. Herrman, of basket and metallic design fame, of New York. P.

BUFFALO.

Supply and Demand.

There is nothing very new in the horticultural little world in which we revolve. One more new store on Main street. The proprietor of the store, which Mr. W. A. Adams vacated on the 1st, must have seen a delegation of stalwart policemen giving "Andy" an order for a badge or button occasionally for a defunct copper, and doubtless thought it was all profit, so he has started in. It's a pity; they are certainly too thick on our chief thoroughfare.

Mr. Kasting reports roses plentiful, but carnations he could dispose of in much larger quantities. Messrs. W. J. Palmer & Son have a brilliant show in their window nowadays, a change almost every day. The last time I saw it, it was 500 Meteor roses and 2,000 Daybreak carnations.

J. H. Rebstock makes a tasty show with large vases of Beauty roses and a fine lot of well-grown gloxinias.

S. A. Anderson has been East, and we shall doubtless see the result of his journey very soon.

Carnation Genesee.

I must beg permission to say just another word or two about our favorite carnation Genesee. I wish all my friends could see it. A bed 125 feet long and 7 wide; not one plant died at transplanting time; not a dry or yellow leaf has been seen, and from November it has been steadily producing, but never looked as it now does; flowers and buds standing up like a field of wheat; not a bursted calyx to be seen. One thing about this carnation, it is of all varieties I have yet seen the easiest to support, but I am going to have the bed photographed and let you see. This little outburst of praise for a crop of my own is merely because I sincerely admire it and am proud of it. A real gardener admires his products aside from the pecuniary view. Ladies often remark "How you must enjoy your business among these beautiful flowers," and for a joke they get the reply, "Yes, ma'am, we can see the dollars sticking all over them." But this is not so. A true gardener and good (?) man would like to get the dollars and leave the flowers nodding in their beauty on the plants.

A Visit to Philadelphia.

In company with our retired florist, the noble Dane, C. F. Christensen, and Wm. S., we found ourselves some ten days ago trying to get into an upper berth of a Lehigh Valley sleeping car with the assistance of the porter, and to the great annoyance of the man below we at last got to our respective resting places. It is not far from the Grand Reading depot to Green's hotel, where you would be hard to please if not suited with their layout in any line that a traveler is looking for.

No. 714 Chestnut street is just across the road, and half an hour's chat with Mr. Wm. Dreer was very enjoyable. The ferry runs frequently and so does the train, and in a few minutes you are at Riverton. It is six or seven years since I was there; what a change! I am not going to attempt to write up all I saw, but it is really a wonderful place, and how to build and heat palm houses seems to be not only solved but brought to great perfection. Two acres of Kentia Belmoreana and other things in proportion will give one a good idea of the extent of the place.

As an attractive sight for a visitor I think the lily ponds would please the majority. The two or three acres of well-kept lawn, as level as a tennis court, and dozens of the sunken, oblong ponds or tanks, each devoted to a species or variety, is also a sight worth seeing. The sight in July or August must be absorbingly beautiful. The impression of this vast quantity of nympheas of every shade, especially in the dewy morn, must be solace for the most wearied soul. No wonder Mr. Eisele said, "When tired and wor-

ried with business, I seek comfort by a walk round among the water lilies." Great expanses of brilliant flower gardens we have seen, and are to be seen in many places, both here and in Europe, but such a water garden as this exists nowhere else on earth.

Presiding over this great collection of aquatics you would expect to see a graceful nymph or mermaid, clad in a leaf of Victoria Regia, with a rod of papyrus in her hand. Don't have any such vision. You will see 200 pounds of solid meat, with black beard and jolly red face, lighted up with a genial smile, and if that smile is mixed with honest pride over his pets, no wonder. The man is Mr. Tricker, and this wonderful collection is the result of his love and enthusiasm for these gems of the floral kingdom.

From Riverton to Chestnut Hill is quite a step, but we were on the jump and only stopped when friend Christensen got dust in his throat. We found the genial Edwin at home, but John had gone away to indulge in the pleasure of breaking up Peoria blackbirds. Well, if I were cutting as many fine Beauties as he, I would shoot at blackbirds at least twice a week. The roses, particularly Beauties, both at Mr. Lonsdale's and Mr. Burton's, simply could not be surpassed. They are masters of their business, live in fine houses, and are jolly good men, and friend Lonsdale is to be only censured for one thing. He has absorbed enough good nature to bless half a dozen men, and so others go short.

The Lafayette hotel is a good place to stop and near many of your friends. Mr. Pennock's busy commission house was visited; so was Pennock Bros.' fine store, but Mr. Cartledge we unfortunately, for us, missed. We nailed Mr. Robert Kift all right, and then an hour's ride landed us in Baltimore.

At Baltimore.

We were no strangers there, but it never struck me so forcibly before that Baltimore is a very large and important commercial city, but for all that very old fashioned and in our small line very much behind the day. The streets cannot be very dirty, because there is such a descent or ascent to them that they get washed clean at every shower. The vulgar, obtrusive soliciting of the hackmen and touts at the union station would disgrace a mushroom town. The street cars are rickety, dirty, bumpy affairs that will produce congestion of the liver, preceded by seasickness.

The florists are all huddled together in two or three blocks, and the first one that starts a real modern store in the residence district (and Baltimore has some beautiful resident districts of the kind) will make a strike. Mr. Halliday and that most pleasant lady, Mrs. Thomas, we met, but Mr. Seidewitz, Mr. Pentland and Mr. Feast were not in to receive our brief visit. At breakfast in the old Eutaw house we had a call from a most gentlemanly man, a Mr. Sands, who has lately joined the noble army of florists. We wish him great success, and greatly appreciate his kind words, and only would wish that he had embarked in business in a better market.

The Capital City.

It is only a good cigar smoke from Baltimore to Washington. We did a lot in six hours. There was the Botanic Garden to see, but the principal thing about that is W. R. Smith. More time was spent looking at a genuine Kilmarnock edition of Burns than all the plants. Then Mr. Smith brought in something that he said was 16 years old. It also came from Scotland, and Mr. Christensen said: "My dear boy, this is too good to drink—it should be sipped with a spoon."

Three little speeches by three big congressmen were listened to. The republicans had their innings and the gist of their talk was that this was no time to bring up the income tax proposition. The few republicans that were not asleep feebly applauded at the end of each little oration, while the democrats read the papers, chinned away in groups or mostly went out to see a man, all as indifferent as to what the members were saying as a 17-year-old girl in church.

We just caught sight of the president as he jumped from his carriage into the White House, but what was of more consequence, we quite caught Mr. Pfitzer, who so ably presides over the garden and conservatory of the White House, and it was very enjoyable for a short while to talk to a man of his build.

Then a call on Mr. Small, whose store is a grand one, and to wind up we found our hearty, jolly friend, Joe Freeman, who has a fine place. Mr. Freeman speaks and writes straight from the shoulder, and is to be highly commended for it; honesty and candor first; consequences after.

Now all this pleasant four days' jaunt, and it was pleasant throughout, even to the dinner in the dining car on our return, when we were hundreds of feet above the city of Wilkesbarre, but took an hour to descend the mountain, all this pleasantness is marred by the many calls we could not make and many friends we could not possibly see. Whether they are just as well pleased or not, I can't say. I regret that opportunity forbade the pleasure to us. W. S.

PHILADELPHIA.

Review of Trade Situation.

The rain came down upon us every day last week; that makes twelve out of fourteen days rainy. Business was quiet last week. If the cold, wet spell ends this week, bedding plant business will begin in earnest. So far only hardy roses and pansies have fallen to the florist's share, unless he deals in nursery stock. There are many orders for cannas and geraniums waiting to be sent out. The parks and some of the large suburban hotels have very handsome beds filled each season. Some of the large private places have greenhouses of their own, but most of them depend on the growers of bedding stock, who are now expecting their busiest time of the year.

Cut flower prices ruled about the same as for the past two weeks. The supply is not so heavy as usual for the first week in May, with demand fair.

Club Meeting.

The vice president, Mr. Westcott, presided at Tuesday evening's meeting of the Florists' Club. The arrangements for the theater benefit and May party were discussed.

Mr. Heacock was to have opened a debate on paeonies, but Mr. Heacock didn't come, neither did the paeonies. We hope for both next time.

I was greatly interested at this meeting in learning the views of some of those who believe it impracticable to secure a guaranty of freedom from disease with our lily bulbs. It seems the seedsmen and importers very naturally fear they won't get their stock if they attempt to get a guaranty. To my surprise, many of the growers share that feeling. This is one of the cases pointed out by Julius Roehrs, of Carlton Hills, where growers could benefit themselves by working together. What folly to go on buying bulbs that you know are unhealthy, in the hope that may be luck will be with you and you won't have much disease. Insist on a guaranty. Ten to one you will get it, and if you don't you will be richer next Easter growing something else; for that disease will get worse unless those Bermuda growers wake up.

Notes.

A. Fahrenwald now intends building one more house, four in all.

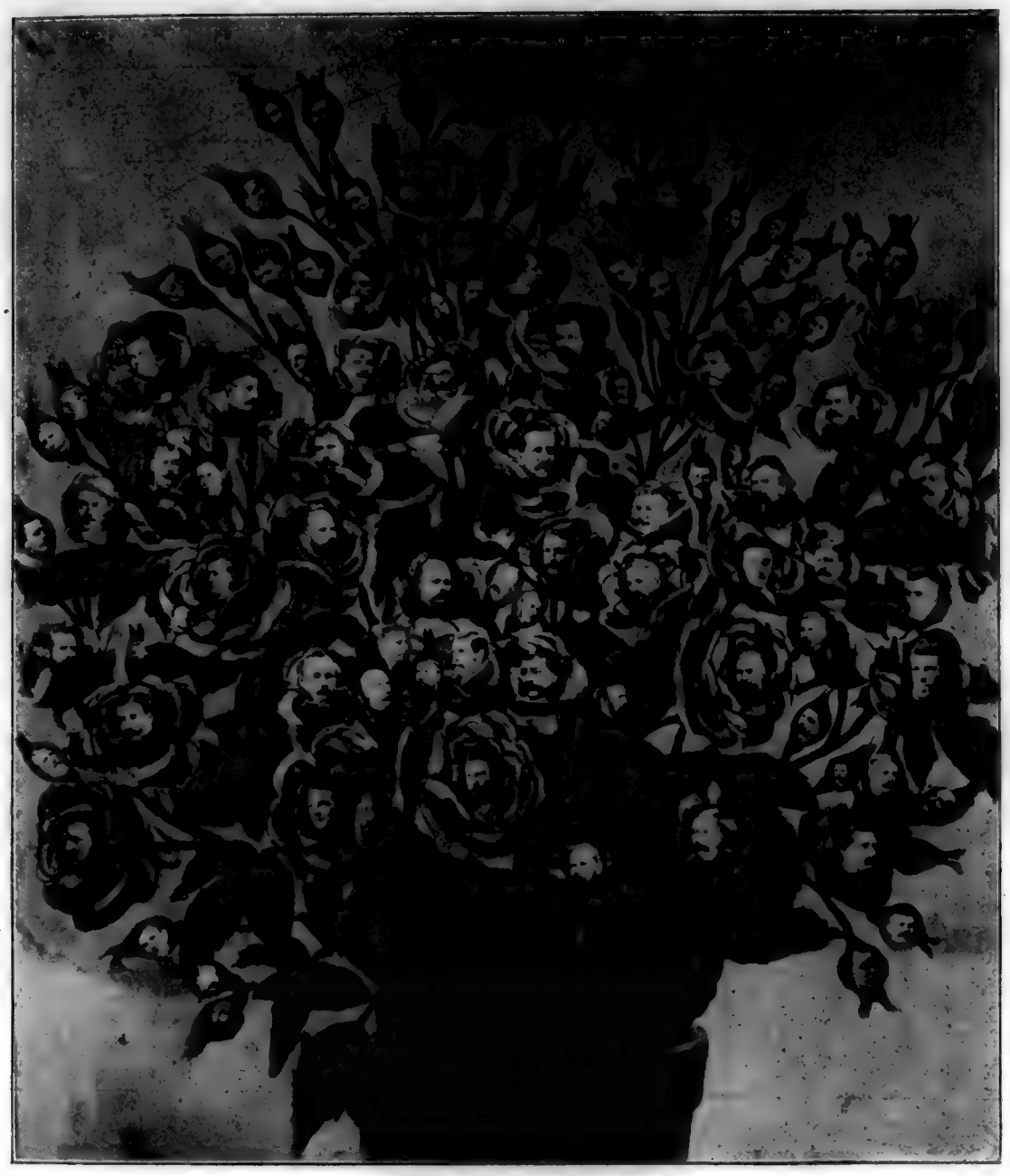
John W. Pepper is to build one greenhouse shortly. Mr. Pepper is one of our wealthy citizens. Last season he spent a large sum of money on his sunken gardens near Jenkintown.

It is also said that Peter A. B. Widener intends tearing down his fancy greenhouses and erecting two houses in commercial style on his handsome place near Cheltenham.

Henry Diehl, of Germantown, has some exceedingly fine pansies, large flowers, good color and stems so long as to suggest a commercial future for such stock. Mr. Diehl imported the seed from Germany five years ago and has improved the stock a little each year since then by careful selection of seed, using only the first flowers for that purpose.

Chester Davis, the well-known gardener and fruit expert, has joined the ranks of the benedicts.

Immediately after The Review's last report, a secret meeting of the bowl-



Mr. Beneke's Dream.

ing team was held. The following resolution was offered:

"Whereas, The highest degree of excellence in any sport is only attained by those able to devote their undivided attention to that sport; and,

"Whereas, Florists are workers, not sports; therefore, be it

"Resolved, That this club will not win the Bowlers' League tournament of 1898."

After some discussion this resolution was adopted by a unanimous vote. N. B.—The Review is the only paper to secure the above important information, which explains some things which required an explanation.

J. W. Y.

MR. BENEKE'S DREAM.

Mr. J. J. Beneke, of St. Louis, is very fond of roses and also of his fellow craftsmen. One night, after a very pleasant gathering, he had a dream that pleased him much, and at the first opportunity he had an artist paint it for the edification of his friends in the trade. The accompanying engraving is from a photograph of the painting, and is much reduced in size.

Probably no rose plant ever before produced such a crop of flowers, either in quantity or quality.

ST. LOUIS.

The Market.

The weather has been quite cool the past week, which checked the great glut of roses that was promised, but the cold snap did not seem to have any effect on carnations. Everything was plentiful and most of the stock good.

The market did not show much improvement, although the glut was not so great. Prices on roses only showed a slight improvement. Trade in retail circles was a little better, there being quite a lot of funeral work going on, creating a demand for white stock.

Roses opened up this morning (Monday) at from $3 to $5, Brides, Meteors, Maids and Carnots bringing $4; prime stock, $5; Perles and Woottons, $3; seconds, $1 and $2. Some fine Beauties were sold at $2.50 per dozen the past week, though the prevailing price was about $1.50. This week prices on Beauties will go up.

Carnations arrived in great quantities, more than could be disposed of, and sold as low as 40 cents per 100 in 1,000 lots, but this morning they seemed a little scarce, the price going up to $1 for general stock; selected fancies, $1.50 and $2.

Harrisii and callas could be bought very cheap, as they were and are now quite a glut; $4 is the average price for the very best. Sweet peas are not so plentiful, the supply being short of demand; price, 75 cents. Out-door valley is beginning to arrive and sells at $2.

Ferns are still very scarce and smilax has been in great demand at $15. Charlie Kuehn has promised the florists to have plenty of ferns by the first of the week at the same old price, $1.75 per 1,000.

Plant trade the past week has been quite dull, owing to the cold and rainy weather.

Notes.

General Supt. of Parks Wm. C. Pape has designed a "Remember the Maine" floral piece which will be placed in Forest Park. The plans will be carried out just as soon as Commissioner Franklin Ridgely returns from the East, where he went to visit his son, Ensign Ridgely, of the U. S. Navy.

Ernest Tesson, with Ellison & Tesson, has gone with the soldiers to camp at Jefferson Barracks. Ernest and Bob are members of the Battery. Bob could not be spared from the business, but says that if called upon to fight he will be where the bullets are the thickest—"under the ammunition wagon."

Wm. Bouche, superintendent of Missouri's exhibit at the World's Fair, will build a palm garden in the Coliseum this summer, to be ready for the opening of the exposition early in September.

Miss Flick, of Fort Wayne, Ind., sent to this market last week some splendid carnations, especially the Bridesmaids and Mme. Albertini.

Max Herzog's loss of 1,000 feet of glass was not due to hail. The storm blew down his smoke stack, thus causing the loss of glass. Max says it did hail, but not strong enough to break the glass; thus the report was circulated that his loss was by hail, as stated in The Review of last week.

Club Items.

The Florists' Gun Club is soon to begin practice, so as to be in good trim when they meet the Eastern cracks at Omaha next August. The club will, as usual, practice at Tesson's place.

The Bowling Club will, after the May series, select a team to represent the club at Omaha, and as a great many of the members have expressed their intention of going a good team

can be made up that will be heard of when the match takes place. All we hope for is that our friends Scott, O'Mara and Anderson will bring along their best men.

The flower store known as Thatcher's Palm Room, which was opened by Fred Foster a few months ago, has closed its doors. Mrs. Thatcher has all the experience, but no money.

Kunz, Helwig and Beneke were a tie for first honors at bowling Monday night, 131 each; Kuehn and Beyer a tie for second, 124 each. Four games were played. J. J. B.

ROCHESTER, N. Y.

White flowers continue rather scarce, owing to a continued heavy demand for funeral work. Quite often some difficulty is experienced in hunting up a bare sufficiency in this line at present. The cloudy, dull and rainy weather, which prevailed last week, was very unfavorable for the opening of roses and carnations, and consequently none too many were in town.

Some of the roses are not so good now as they were two weeks ago; mildew is doing the injury, but those coming from Walt. Salmon are as fine as ever. He was cutting large quantities every day during the dull spell, and had no trouble in disposing of all at an advance over last week's prices. The daily cut however, is diminishing now, still as the plants are in vigorous growth, showing plenty of buds, it will only take a week or ten days of bright sun to make them bloom as freely as ever.

Geo. Arnold's sweet peas are really excellent now. The flowers are of unusual size and substance and have been plentiful for the past month. He still brings in some fine, dark, long stemmed English violets, which sell readily.

The sales in bedding plants are increasing fast, the quality is good, but an oversupply is on hand. Planting out carnations and violets is nearly finished. We never had more favorable weather for early planting than this year, and nobody was slow to take advantage of the opportunity for an early start.

Though for a week past the air was raw and cool, the trees and shrubs are now nearly all out in leaf, and the nursery trade is about over. The season has been a remarkably good one, especially in the ornamental line; stock in many instances was completely cleaned out, and nursery men in our section are, as a rule, well satisfied with this spring's sales. K.

TORONTO.

Roses are about as plentiful as the dandelions, and the price would do little more than pay for the picking. Thousands have been cleared off down at the market these last two Saturdays.

The market plant trade has been pretty brisk, too, quite a lively business being done in herbaceous plant roots and other of the hardier plants. Next week and after bedding plants will begin going off in quantity.

Most of the carnations will be planted out by the end of this week. Some I saw the other day were looking very vigorous and promising. The weather has been just right for planting.

The nursery agents have been making big deliveries this spring, but are pretty nearly through now. Thousands of Ampelopsis Veitchii and Clematis paniculata have been planted. These two have become staple articles now, there being a constant demand for them.

Many additions to plants appear to be contemplated this year, some being already well under way. J. H. Dunlop and H. Dale are both making quite extensive additions.

The annual Horse Show and Military Tournament, held in the armories last week, brought many people to town. It is one of the most fashionable events of the season and makes quite a little stir in business circles. E.



Address all orders to

Bassett & Washburn,

WHOLESALE
CUT FLOWERS AND
FLORISTS' SUPPLIES,

88 Wabash Avenue, - CHICAGO, ILL.

You want this for Decoration Day!

VASE FOR THE CEMETERY.

THE

Clara Cemetery Vase

Patent Applied for by Mrs. C. W. Pike.

A RECEPTACLE FOR FLOWERS, LONG NEEDED FOR THE CEMETERY.

THE CLARA VASE for use at the Cemetery is a handsome as well as one of the most useful articles ever placed on the market. It is absolutely a new thing and takes the place of all the old tin cans, bottles and various old truck that are usually found in the cemetery for holding flowers, and prove such a disgrace where everything else is beautiful and ornamental. It is composed of solid glass and stands about twelve inches high. The lower end is sharp-pointed so it can be embedded about six inches in the ground and stand firm. It will hold sufficient water to keep the flowers fresh and sweet, and will accommodate flowers with long as well as short stems. The VASE is bell shaped and the top has a diameter of about five inches.

The VASE is sold at a very low price and is within the reach of all classes. It is very strong and well made and can not be broken by rough handling.

Prices, delivered to railroad or express companies in Chicago:

One Dozen, - - -	$3.50
Three Dozen, at - -	3.25
Five Dozen, at - -	3.00

Samples sent on receipt of fifty cents (50c.) each.

These VASES will retail in the market for from 50c. to 75c. each, thereby giving the dealer a profit of over a hundred per cent. on his investment.

THE FLORISTS' MUTUAL'S FIRST FIRE.

On April 13th, The Florists' Mutual Fire Insurance Association sustained its first loss, on the greenhouses of The Clinton Floral Company, of Wilmington, O. The policy was mailed from this office on the 9th of April. Under the by-laws the policy was in force from the time it was deposited in the mails here. The policy was not received by the Clinton Floral Company until April 14th. On the night of the 13th it sustained a loss by fire aggregating on the furniture, plants, buildings, etc., about $1,200.00. The insurance policy covered only the buildings, including the heating apparatus. Notice of the amount of the loss was received by the secretary on the 18th of April. I immediately went to the scene of the loss and adjusted the same on the 20th satisfactorily to the insured for $465.00. The proofs of the loss were forwarded to the president of the association. On the 28th I received word of his approval of the adjustment, and I wired the Clinton Floral Company that their draft for the amount of the loss would be honored by the association's treasurer, which was promptly done. I believe all losses can be adjusted as promptly as this one was and with equal satisfaction to the association and the insured. All we need is the full co-operation of all the florists of America.

I will gladly give full details to anybody who will write in relation to the same. W. J. VESEY, Sec'y.

Ft. Wayne, Ind.

PHILADELPHIA.

W. Atlee Burpee & Co., the well known seedsmen, will build a seven-story warehouse on North Fifth street. Plans have already been drawn. The building will be of brick, with Indiana limestone trimmings, and will be furnished with all modern appliances. Messrs. Burpee & Co. well deserve the success they are meeting with, for their name is synonymous with fair and honest dealing.

CLEVELAND.

Cut Flower Situation.

The cut flower situation during last week presented some anomalous features, more especially toward the end of the week. The weather throughout the time had been cold, generally cloudy and unfavorable for the development of cut flowers of any sort, although there were apparently enough to go around and some over, if one may judge by the prices for which some stock was sold at retail at times. Yet in spite of apparent surplus and bad weather business seemed to be generally considered as fair, though not heavy.

On Saturday roses by local growers were selling at from three to four cents wholesale, while several stores displayed staring signs announcing rose sales at from twenty-five to fifty cents per dozen. And the fifty-cent stock was not bad at all.

On the markets various retailers were scrambling for carnations, in some cases paying retail prices—twenty-five cents a dozen—with nothing at all good for less than a cent and a half, while in the stores pretty good stock was selling at no very great advance upon the higher price above mentioned. And nearly every grower was short of stock. All of which makes the situation seem decidedly odd.

Notes.

The suit of L. J. Leopold against the correspondent of the American Florist, which suit has been pending for some time, came to trial lately. After a trial lasting a day and a half, mostly consumed by legal arguments and the witnesses for the defense, the jury brought in a verdict for the defendant. This disposes of the matter finally, in all likelihood.

The bowling club at its last meeting had a very good attendance and some good scores were made. NEMO.

WANT ADVERTISEMENTS.

WANTED—No. 1 grower of cut flowers; would like an expert on fancy carnations; good steady place for the right man. Address H. H., care Florists' Review.

SITUATION WANTED—A young man, 20 years old, desires position in cut flower store or greenhouses; has six years experience; good maker-up; best of reference, also security. Address H. C. H., care of Florists' Review.

WANTED—A good rose grower. Also a good man for orchids, ferns and palms, for commercial place. Address Minnesota, care of Florists' Review.

SITUATION WANTED By a practical English florist and grower of No. 1 roses. Carnations, 'mums, violets a specialty. Now disengaged. Age 39. Commercial or private position. Address W., Florist, box 547, Alliance, Ohio.

FOR RENT—For greenhouse purposes, 32,700 feet on Michigan Avenue. Long lease and low rental. Room 922, 184 La Salle Street, Chicago.

SITUATION WANTED—As private gardener, by thoroughly competent man with the highest references from last employer and others. Removal of employer only reason for change. Address K. X., care Florists' Review.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars or Estimates.

LOCKLAND LUMBER CO.
LOCKLAND, OHIO.

WANTED—Young man to take care of several rose houses. Must be competent and well recommended. Address Emil Buettner, Park Ridge, Ill.

WANTED—An experienced propagator and plantsman. One accustomed to hard and soft wooded plants, where a great many are grown for a catalogue trade. Must be a hustler. No drinking man wanted. Steady place and good wages to right party. Apply with references to James Souden, foreman for L. L. May & Co., St. Paul, Minn.

FOR SALE—Six greenhouses, about 14,000 feet of glass; well stocked; wholesale and retail town of 4,000; no competition; less than 100 miles from Chicago; two railroads; good seed trade. For particulars address A, care Florists' Review.

WANTED—By the 15th of June, a first-class all 'round florist to take charge of plant of 8,000 feet of glass. None but steady reliable man need apply. References. Wages $50 per month. Address X, care Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

To Rent! Eight greenhouses, all well stocked. 20,000 carnations planted out. Best place ever offered. All private trade.

MAX KRUSCHKA,
Lawrence, L. I., N. Y.

The Jordan Floral Co. of St. Louis, offer for sale their greenhouses, 20 in number, with complete heating plant, covering about 3 acres of ground, with all stock and good will of the business. Will lease ground on fair rental value long as wanted. Established trade over 35 years. This is an opportunity of a lifetime to buy a good established business. Also have a large retail store opposite the Post Office. Apply to **LEON L. HULL REAL ESTATE CO.**
804 Chestnut St., St. Louis.

FOR RENT OR LEASE
Chevy Chase Greenhouses,

CHEVY CHASE, MD.
(Suburb of Washington, D. C.)

For full particulars, write or see the representative of The Chevy Chase Land Company, at Chevy Chase, Md.

KINSMAN QUEEN MUSKMELON

Should be tested by every seedsman this season. **Trial packets free.** To Market Gardeners, ¼ lb., 50c; ½ lb., 75c; 1 lb. or more, $1.25 per lb.
Cash with order. Seed postpaid.

This is the earliest, best in quality and the most productive Muskmelon ever introduced. TRY IT.
SPECIAL CIRCULARS FREE.

FRANK BANNING, SEEDSMAN and FLORIST, KINSMAN, OHIO.



Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

MIXED DAHLIAS.

Undivided Roots, $4.00 per 100.
JAPANESE and GERMAN IRIS, all colors, large roots, $4.00 per 100.
Cash with order—No Checks.
MRS. JAS. S. SNEDEKER,
Hillside Avenue, White Plains, N. Y.

NEW AND SECOND-HAND MATERIAL

purchased from Sheriff, Receiver, and Assignee sales at less than one-half prices. Pipe and Fittings, Hose, Florists' Wire, Hot Water Heaters, Greenhouse Boilers and Engines, Rope, Light Wrought Iron Pipe, Glass Sash, and thousands of other articles, for sale by

CHICAGO HOUSE WRECKING CO.
Largest Mail Order Depot for New and Second-Hand Material in the World.
W. 35TH & IRON STS., CHICAGO.
Write for our free illustrated catalogues.

FOR SALE

My seed store, established thirty years in the flourishing city of Terre Haute, requiring only moderate capital and capable of large extension. Ill health reason for selling; immediate possession given. Apply to

J. A. FOOTE,
313 Wabash Ave. Terre Haute, Ind.

PITTSBURG.

Business continues stationary. A surplus in roses being noticed. Carnations are now much more plentiful.

A window decoration of Messrs. Britenstein & Flemm attracted much attention last week. It was a ribbon decoration in patriotic colors, simple but very effective.

Britenbaugh & Bro., of Bennett, Pa., contemplate the erection of a large addition to their already extensive plant. The addition will be used as a carnation house.

Mr. Robert Faulk, a well known florist of this locality, who has been seriously ill, is reported to be improving.

The Pittsburg and Allegheny parks are aglow with tulips; the varieties and colors have been used to good advantage.

Prof. B. H. Patterson, of the Pittsburg Central High School, discussed "Plants of Historic Interest" before the Botanical Society of Western Pennsylvania last Thursday evening, May 5.

James C. Hamilton, son of Superintendent William Hamilton of the Allegheny parks, has enlisted in Roosevelt's regiments of cowboys.

Mr. W. H. Elverson, of the Pittsburg Clay Mfg. Co., of New Brighton, Pa., reports that a conflagration on the night of May 3 totally consumed plant No. 4, formerly owned by the Schoenfield Pottery Co. The loss will be about $30,000, partially insured. Mr. Elverson says that the fire will not prevent them from filling their orders promptly.

Fred Burki is sending some very fine out-door valley to market.

While the meetings of our Florist Club have been of an interesting character, and while the club is of no little use to its members, there seems to be room for improvement in the matter of attendance. The last few meetings were poorly attended. In view of the fact that arrangements for a fall flower show and banquet are under way, the officers of the club hope for a better attendance. T. P. L.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The past week has been a repetition of the three preceding with slight exceptions. Trade continues very slow indeed, and the immense quantities of flowers sent in only aggravate the trouble.

Summer prices still prevail on all stock. Beauties especially suffer. Carnations, while selling fairly well, are not cleaned up as we would like to see them, reds in particular going very slow. The few days of cold, cloudy weather choked off the supply toward the end of the week and in consequence a better condition prevailed for a day or two.

Smilax is more freely offered. Out-door Lily of the Valley of fair quality is appearing. Narcissus plentiful. Lilac as yet irregular both in quantity and quality.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,
88 Wabash Avenue, CHICAGO, ILL.
Long Distance Telephone EXPRESS 466.

Longiflorum Lilies for Decoration Day

Klehm's Nursery has grown a special lot of these for Decoration Day, and we can supply them at $1.00 a dozen, $7.00 per 100.

100,000 VERBENAS THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000
No Rust or Mildew. Packed Light and..... Satisfaction Guaranteed.
We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.
SEND FOR CIRCULAR. J.L. DILLON, Bloomsburg, Pa.

N. DAMES,
OF THE FIRM
VANDERHORST & DAMES,
BULB GROWERS,
LISSE-HEEMSTEDE, - HOLLAND,
is on his round-trip in America. To save time please address all letters up to May 15th,
Care of KNAUTH, NACHOD & KUHNE, 13 William Street, New York.
Give us list of your wants and we will send you our best quotations. Our specialties are:
Double Von Sion, Hyacinths and Tulips.

LONG'S Floral Blotters
THE FINEST NOVELTY FOR ADVERTISING ANY BUSINESS.
Effective, and true to nature.
Samples for 20 cents in stamps.
DAN'L B. LONG, Publisher,
BUFFALO.

EVERGREENS...
Choice Specimens for Lawn Decoration.
Send for Descriptive Catalogue and Trade List.
SAMUEL C. MOON,
MORRISVILLE, - BUCKS CO., PA.

CRABB & HUNTER,
Violet and Carnation Specialists,
GRAND RAPIDS, MICH.
NOW is the time to buy Rooted Violet Runners. Marie Louise, Farquhar and Lady Hume Campbell, $1.00 per 100; $7.00 per 1000. In pots later. Write for prices.

DO YOU WANT TO SAVE 10%
Let us figure now on your list of Bulbs for Summer and Fall delivery.
Harrisii, Longiflorums, Roman Hyacinths, etc.
We offer special Latania Borbonica Seed, Per lb., 50c.; 5 lbs., $2.25, delivered.
Areca Lutescens, 100, 75c.; 1000, $6.00, delivered.
Address, H. H. BERGER & CO.
Established 1878. 220 Broadway, New York.

...CHRYSANTHEMUMS...
GREEN AND GOLD. Foliage beautifully variegated with yellow, clear and decided. Flowers very double, creamy white. A splendid exhibition plant. Worth growing for its beautiful foliage alone. 50c each; $4.00 per doz.
SUSAN B. ANTHONY. Handsome light green foliage, immense perfect flowers, like drifted snow. A grand bloomer; long-stemmed flowers. Splendid for cutting. 25c each; $15.00 per 100.
WHITE WINGS. Exquisite, large semi-double flowers. Shining white petals, very long. Beautifully incurved and curled. Grand for cut flowers. 25c each; $15.00 per 100.
MADONNA. A pure white Anemone flowered variety. Flowers of the most perfect form. Beautiful center of small florets, prettily fringed. Fine upright habit. Flowers on long stems. 25c each; $2.00 per doz.
These varieties are early and medium bloomers.
Send for Trade List of Seeds, Plants, Bulbs, and Cacti.
MRS. THEODOSIA B. SHEPHERD,
Mention Florists' Review. Ventura-by-the-Sea, Cal.

Marie Louise Runners
25,000 at $4 per 1000; 60c. per 100.
WANTED 500 Maids, 600 Brides, 200 Perles, 200 Beauties, 200 Meteor, 200 Belle Siebrecht. 2½-inch pots.
HILLSDALE FLORAL PARK,
Mention Florists' Review. HILLSDALE, MICH.

REINBERG BROS.

51 Wabash Ave., CHICAGO.

WHOLESALE GROWERS OF **Cut Flowers**

600,000 Feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. **We are Headquarters for Fine American Beauties.** Give us a trial and convince yourself.

Plants and cuttings sent by express at plant rates (80 per cent less than merchandise rates).

ROOTED ROSE CUTTINGS.

	Per 100	Per 1000
AMERICAN BEAUTY	$2.50	$20.00
LA FRANCE	1.50	12.50
BRIDESMAID	1.50	12.50

ROSE PLANTS.

Out of 2½-inch Pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	3.00	25.00
Bride	2.50	20.00
Bridesmaid	2.50	20.00
La France	2.50	22.50
Belle Siebrecht	2.50	22.50

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1000
Jubilee	$2.00	$15.00
Wm. Scott	1.00	7.50
Tidal Wave	1.00	7.50
Portia	1.00	7.50
Lizzie McGowan	1.00	7.50
Goldfinch	1.00	7.50
Mrs. Thompson	1.00	7.50
Emma Wocher	1.50	12.50
Lizzie Gilbert	1.50	12.50
Harrison's White	1.50	12.50
Bridesmaid	1.50	12.50
Flora Hill	3.00	25.00
Mayor Pingree	3.00	25.00

We would call your special attention to our choice SMILAX PLANTS at $2.00 per 100 and $15.00 per 1000.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

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Greenhouses at Hinsdale, Ill.

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Full Line of Wire Designs and Florists' Supplies

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Do You Plant American Beauties?

1500 3-inch at $5 per 100.

Not cullings but strictly A No. 1 strong, clean, well grown stock, and guaranteed free of all disease.

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Specialist for **American Beauties, Meteors, Maids and Brides.** Cut Flowers.

Shipping facilities and stock unexcelled.

Lowest Market Prices. Write for quotations on large orders.

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THE LARGEST SUPPLY HOUSE IN AMERICA

New Catalogue of all Florists' Supplies on application. For the trade only.

50 to 56 N. 4th Street, PHILADELPHIA, PA.

CANNAS Nicely started. Mme. Crozy, P. Marquant, L. E. Bally, Florence Vaughan, etc., 30c. per doz.; $2 per 100. Pot plants, 4-in., $8 per 100.

BEGONIA Thurstonii, B. Argenteaguttata, etc., 2-in., $2; 2½-in., $2.50 per 100.

PANSY PLANTS Bud and bloom, $1 per 100; $8 per 1000.

A. J. BALDWIN, Newark, O.

Correspondence Solicited

ORCHIDS

JUST ARRIVED IN FINE CONDITION

Odontoglossum Crispum, Miltonia Roezlii, Cattleya Chocoensis, Cattleya Labiata, Oncidium Varicosum Rogersii

Lager & Hurrell, Growers and Importers.... Summit, N. J.

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Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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..C. W. WORS..

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2740 OLIVE STREET

ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

VEGETABLE PLANTS

Tomato, Cabbage, Lettuce, Celery and **Sweet Potato,** 15c per 100; $1 per 1000.

Pepper and **Egg Plants,** 25c per 100; $2 per 1000.

Cauliflower Snowball, 35c per 100; $2.50 per 1000

All plants by mail, 10c per 100 extra. Price list for large quantities. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

FORCING BULBS.

We have closed contracts with some of the best and most reliable producers for our stock of

Roman Hyacinths, Tulips, Dutch Hyacinths, Von Sion Narcissus, Paper White Narcissus, Valley, Harrisii, Longiflorum, Azaleas and all leading Forcing Stock.

Give us a list of your wants and we will quote same. Don't forget that we are strictly in it on SUPPLIES OF ALL KINDS,

SEEDS, BULBS AND CUT FLOWERS.

VAUGHAN, McKELLAR & WINTERSON, 45, 47 and 49 WABASH AVENUE, **CHICAGO.**

SARATOGA, N. Y.

What a delight it is to the senses when one can enjoy to the full such Beauties as T. J. Totten grows. Can the whole credit be given him, or must it be assumed that the beneficent mineral waters which abound here conduce in some measure toward producing such fine stock? Anyhow, some six houses are utilized for this rose alone, and New York with its crack growers must yield a point in favor here in excellence of bloom, foliage and yield; an excellent young stock is prepared for succession.

Carnations are a little off crop just now, the reason being that no fire is on, which permits the plants to harden up in order to bloom well along into the summer, when the demand cannot be supplied at this popular watering place. Speaking of chrysanthemums, Mr. Totten remarked upon the vagaries of Pink Ivory, which he planted in three houses and obtained as many distinct shades, each of which was pleasing. He attributes this chiefly to variation of light and shade.

Recently the original block of houses was torn down and removed to the new section, which is now a block comprising 50,000 square feet, with office attached, situated in the best part of town. In addition is a down-town store on Broadway (not Broadway, New York, although it is a worthy counterfeit), where every convenience associated with an up-to-date place is found. W. M.

SPRINGFIELD, MASS.

It is with regret that I report the decease of John Aitken, senior member of the firm of Aitken & Son. Mr. Aitken, who left us on April 30, was a long sufferer from a complication of diseases of the stomach. The worthy gentleman was born in Glasgow in 1835, was a good gardener of a most liberal temperament, combined with grit. The flourishing business built up by him will be continued by Mark Aitken, upon whose shoulders has descended the mantle of his sire.

W. M.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

SAMUEL S. PENNOCK
Wholesale Florist
1612-14-16 Ludlow St.
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Plant Auctioneers,
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One Dollar, Go a Half?
SALES EVERY TUESDAY and FRIDAY
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Also Dealer in Florists' Supplies and Wire Designs

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EXCLUSIVE IMPORTERS AND MANUFACTURERS .....OF **Florists' Supplies**
25 N. 4th St., PHILADELPHIA, PA.

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Rooted Runners, **$5.00** per 1000.
Healthy Stock. Cash with order.
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Consignments of only the best Stock solicited.

WM. C. SMITH
CONSIGNMENTS OF CHOICE STOCK SOLICITED
Wholesale Florist
40 South 16th Street, PHILADELPHIA.
LONG DISTANCE 'PHONE 5008 A.
Our central location enables us to fill out-of-town orders at short notice.

Boston Fern
Heavy, well-shaped plants, splendid for store decoration. Very durable.
6-in. pots, $1.00 each; $12.00 per dozen.
JOHN WELSH YOUNG,
UPSAL STATION, PENNA. R. R. Germantown, Pa.

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When in need of anything in way of Wire Designs, Wheat Sheaves, Cutlery, or anything in general use by the trade, bear in mind that we can supply you. On Wire Designs, of which we are large manufacturers and carry a large stock, **we meet the prices of any reliable house.** We will not be undersold on these goods.

Our WHEAT SHEAVES
Sell themselves. Handsome shape, full size and weight, made of best quality material, prices right.

WHITE CAPE FLOWERS,
A good quality at 60 cents per pound.

CYCAS LEAVES, IMMORTELLES, INSECTICIDES, SAYNOR KNIVES, RIBBON, SHEARS.

Can furnish a good Pruning Shear for $1.00.
No toy, but a good strong shear that will do the business.

Send for Catalogue.

Seasonable Flower Seeds.....
BEST STRAINS ONLY
SEND FOR PRICE LIST

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CARNATIONS.

Ordinary, ordinary Stock	per 100,	$1.50—
Extra	"	2.00—3.00

ROSES.

Beauties, long	per doz.,	3.50—
" medium	"	2.00—
" short	"	1.00—
Brides	per 100	3.00—5.00
Maids	"	3.00—5.00
Meteor	"	3.00—4.00
Perles	"	3.00—

GREENS.

Asparagus	per string,	.60—
Ferns,		
Adiantum	per 100,	.75—1.00
Common Fancy	per 1000,	2.00—2.50
Smilax	per doz.,	2.00—
Galax	per 100, 20c., per 1000,	1.50—
Leucothoe Sprays	per 100,	.75—

Smilax, (Wild): Must be ordered in advance. Stock not very good.

Parlor Brand	per case,	3.75—
Medium sized	"	5.50—
Large sized	"	8.00—

MISCELLANEOUS.

Marguerites	per 100,	.25—
Mignonette	per 100,	.50—
Forget-me-not, per 100		.50—
Callas	per doz.,	1.00—
Harrisii	"	1.00—1.25
Romans	per 100,	2.00—3.00
Valley (out-door)	"	1.50—
Violets	"	.60—1.00
Tulips, Daffodils	"	2.00—
Dutch Hyacinths	per doz.,	.60—
Pansies	per 100,	.50—
Lilac	"	1.00—1.50

Prices given are for good stock. Extra Selected and inferior quality will be charged according to its value.

All other seasonable stock at market rates.
Special Attention Given to the Shipping Trade.

Rooted Cuttings.

Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

Verbena, Fuchias, Heliotrope, Ageratum Dwarf, Salvia Splendens and Odorata, Feverfew, Sweet Alyssum, Giant and Tom Thumb, Cobea Scandens, 80c per 100; $8 per 1,000.

Chrysanthemums, leading varieties, $1.50 per 100; $12.50 per 1,000.

Swainsona, Solanum Jasminoides, Abutilon, Golden Fleece and Souvenir de Bonn, Vinca Major, fol. var., $2 per 100.

Violets, Marie Louise Runners, 80c per 100; $7 per 1,000. Same plants out of 2-inch pots, at 50c per 100. Vinca Major, 4½-inch strong plants, $10 per 100; $80 per 1,000.

C. LENGENFELDER, Lincoln & Berteau Aves.
Station X. Chicago.

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Trade Quiet.

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It is ideal, cool, lowering weather for carnation planting, and most of the firms are hard at it, trying to get planted before the cool spell is over.

News Items.

There is a prospect of the town becoming very metropolitan in the fact that we are to enjoy a street corner fakir from Chicago. He has been interviewing the different florists as regards to a possible supply of 5,000 flowers per day! But with what results is not yet known.

Mr. Boddington, of Clucus & Boddington, was in town trying to gather in bulb orders, and found the ground so thoroughly gone over that it took a fine-toothed comb to detect the location of an unplaced order. He vows he'll come earlier next time.

Obituary.

Bert Rodgers, 25 years old, a former Grand Rapids boy, died at Lansing of Bright's disease. He was an enthusiast in his chosen profession and had attained to a high degree of proficiency at the time of his death. He worked for Henry Smith under Wm. Cunningham for three years, going from there to the State Agricultural College, serving under Prof. Taft, on whose recommendation he was promoted to the charge of the conservatories and grounds of the Industrial School at Lansing. The interment took place here April 19th at Greenwood cemetery. The following florists acted as pallbearers: Henry Smith, Wm. Cunningham, Henry Van Velde, Wencil Cukerski, Jean Goebel, Freyling and Mendals. His parents have the sincere sympathy of the fraternity.

GEO. F. CRABB.

THE NEWPORT PHOTOGRAPH.

Members of the Society of American Florists and others desiring copies of the group photograph taken at Newport last August are informed that the undersigned has obtained possession of the original negative, and copies of same can now be supplied at one dollar each.

WM. J. STEWART, Secretary.
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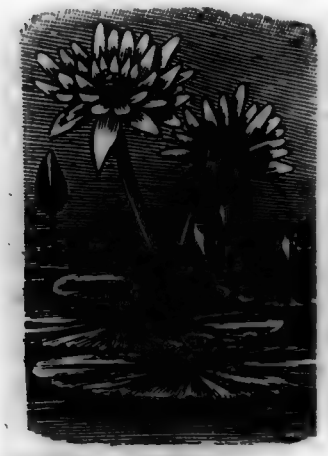
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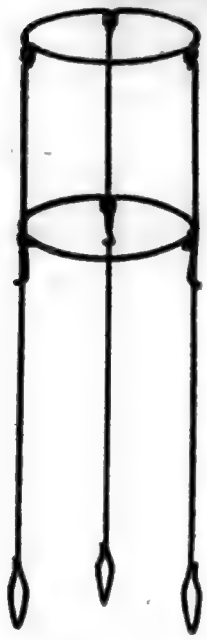
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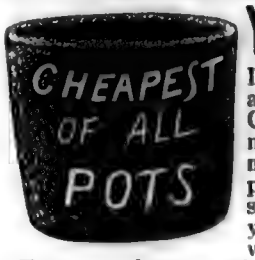
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EVENDEN BROS., Williamsport, Pa.

ALBANY, N. Y.

Sam Goldring reports a blue Easter, or rather a violet one, when in three days they disposed of 22,500, and not salted at that, right over the counter. I took care to note down the exact figures. Verily, the prophet who predicted some year or two since that the real thing would be no more in demand was away off in his prophecy.

H. G. Eyres says it was a Beautyfull Easter with him. Lilies, of course, were in great demand. His store was so well stocked that the photographer was obliged to take four separate views to satisfy Harry, who, now that the rush is over, is squaring up his business to be in readiness to go to the front should duty call; and he means it; there's blood in his eye, and the vengeful manner in which he grasps his cane gives one a faint idea of the havoc he would create were it only a gun.

John Dingwall can give the boys some pointers on hghting, as he was engaged in the peaceful calling he is now following—tnat of raising bedding stock par excellence—in '62, and although he did not actually kill a man, it was because he was not given a chance to do so. He has long since laid aside his sword, and the only crime he commits is exterminating the varmints in the soil. His son is a fine specimen of the modern warrior, and will be duly heard from should occasion require. Let us hope that he, with other ambitious sons of Flora, will not be compelled to leave their peaceful occupation for terrible slaughter, but depend on it, they are ready and willing to respond to the call of duty.

L. Menand sold all his flowering stock at Easter, and has the benches filled with stock for cemetery use, and for which he has a large demand.

W. M.

PLATTSBURC, N. Y.

It was with a sad smile Wm. Cook bade adieu to the gallant troops quartered here, now en route to the seat of war, as by their absence he temporarily loses many of his best patrons. It is to be hoped the parting will not be for long, that they will return covered with laurels, and that Mr. Cook will be surfeited with orders for bouquets from the dear girls left behind and who are now inconsolable. Apart from this the season has been a good one, and the well grown stock found ready buyers.

W. M.

IF YOU want to buy you will find it to your advantage to buy of the advertisers in The Review. If you want to sell, you will find it to your advantage to advertise in The Review.

Extra select stock at Kennicott Bros. Co., Chicago. All flowers in season at lowest market rates.

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ORDER BEFORE IT IS TOO LATE.

We still have to offer an exceptionally fine lot of

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We have to offer also, a magnificent lot of

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We offer also fine strong field-grown plants of

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We have a large stock of extra strong field-grown plants of

CLEMATIS—finest sorts—**Mme. Ed. Andre, Jackmanii, Henryii,** and **Hybrida Sieboldii. Price, $30.00 per 100.**

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We have also a few thousand **SPIRAEAS** left, which will make nice stock for potting for Decoration Day. Can offer strong clumps as follows: **Spirea Astilboides Floribunda,** $5.00 per 100; case 250 clumps, $10.00. **Spirea Compacta Multiflora,** $6.00 per 100; case 250 clumps, $12.50.

See our special offer of **HYDRANGEA OTAKSA** in last week's Review. This offer will hold good for this week. We sold a lot of this stock last week, and will hold the same offer open for another week. If you want any Hydrangea Otaksa, now is the time to buy it. Full particulars in last week's ad.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

SOW NOW **PRIMULA SINENSIS FIMBRIATA,** (or Chinese Primrose.)

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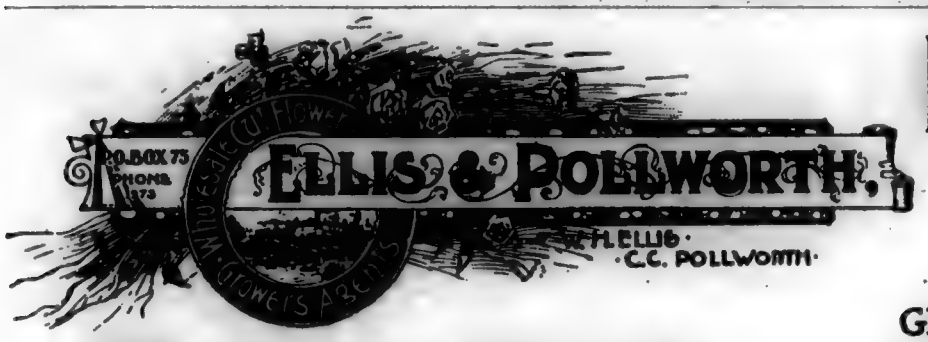
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Glory of Pacific, Maud Dean, Mrs. R. Crawford, W. P. Raynor, Modesto, Lenawee, Pride of Castlewood, Bonnaffon, Ivory. Ruth Ellis, etc., **50c per doz.; $3.00 per 100.**

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Eldorado, A. Billard, Count de Bouchard, **$4.00 per 100.**

For full description see our 1898 Wholesale List.

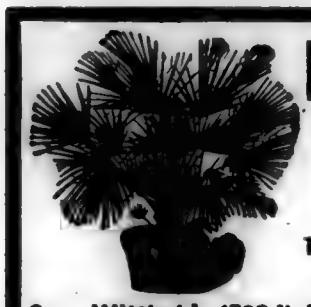
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Strong R. C. Carnations, 20 varieties.

Above are all extra strong plants.

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ST. PAUL.

Trade Conditions.

Trade was good immediately after Easter, but has fallen off somewhat the past few weeks. We are too remote from the seat of war to feel its blasting effects as depicted by our New York correspondent. The departure of the Third regiment from Fort Snelling, however, will have some effect on the florist trade here. The officers spent money freely and during the social season there was one continuous round of gaiety at the Fort. As the troops passed through the city one local firm, L. L. May & Co., distributed roses to them in the cars.

We have had all kinds of weather since Easter, and our spring, which seemed so far advanced at that time, is behind the average.

Stock is plentiful and of good quality. Carnations still continue in good demand, and the cut is still behind, several shipments from Milwaukee being noted each week. Violets are still in evidence, though fast deteriorating in quality.

The trade in the plant line has hardly commenced as yet. At the city market some good stock is seen, but sales are slow. Planting out will be delayed for ten days at the least. Decoration Day trade will undoubtedly be good, owing to the newly awakened patriotism.

Notes.

Retail prices for first class stock are well maintained, though "roses at 50 cents per dozen" is a frequent sign of late. One grocery store advertised "Roses, 29 cents per dozen. Fresh cut." Whether these were a home grown article, or were furnished by outside parties, we did not learn.

Christ Hansen has discontinued his city store and will hereafter devote himself to growing cut flowers for the trade.

J. Austin Shaw, the Brooklyn bard, was a recent caller. He has an innovation in the way of a small hand grip full of live plants as samples.

H. J. Goemans, representing K. J. Kuyk, of Ghent, Belgium, was also a recent caller. X. Y. Z.

E. G. HILL & CO.

RICHMOND, IND.

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ORDER EARLY.

FOR Decoration Day

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Our selection from set of ten best bedding and fancy varieties, 90 cents per 100; $8 per 1,000.

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A few Pansies, best strain, 60 cents per 100.

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4-inch, $5.00 per 100; 2-inch, $2.00 per 100. All first class varieties, unnamed. Mt. of Snow, Happy Thought, Bronze, etc., 2-inch, $2.50 per 100.

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The finest you ever saw. Varieties: Black Prince, Purple Prince, Arabella—singles; Elm City, Snowball, Molesworth, E. G. Hill—doubles. Price, 2-inch, $2.50 per 100.

FISHER & SON, Galion, O.

FLORISTS' STOCK OF BEDDING PLANTS.

Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc.
Write for prices. Florists are invited to look over our stock when in Milwaukee.

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Double Petunias Our unrivaled strain. A fine lot in 3-in. pots, mixed unnamed varieties, $5.00 per 100.

Dracaena Indivisa A fine lot of 5-in. pots. A good size for medium sized vases, baskets, etc., $3.00 per doz.; $25.00 per 100.

Dracaena Bruanti Another useful variety for vases, baskets, window boxes, etc., 4-in. pots, 12 inches high, $3.50 per doz.; $25.00 per 100. 5-in. pots, 15 inches high, $4.50 per doz.; $35.00 per 100.

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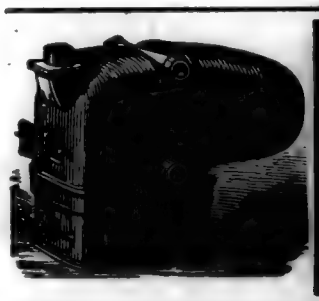
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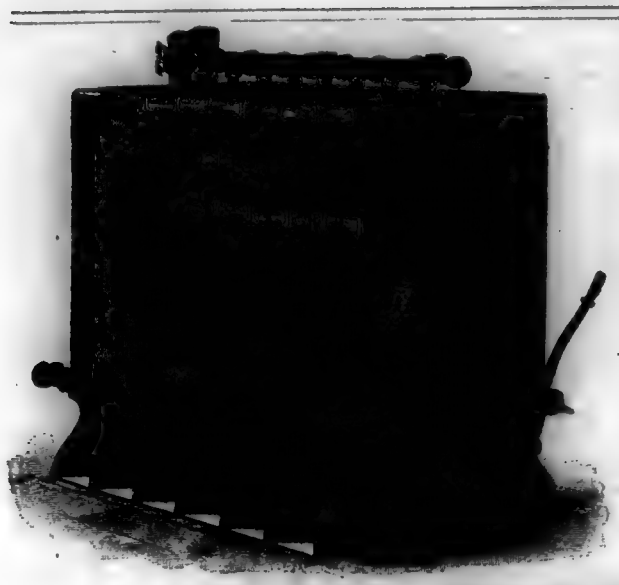
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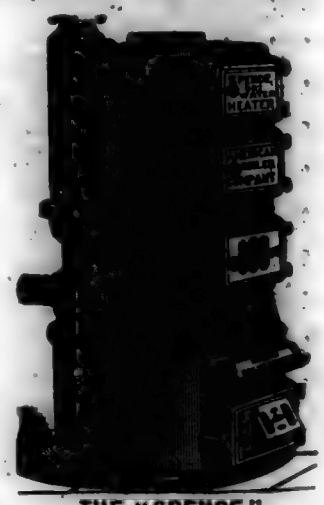
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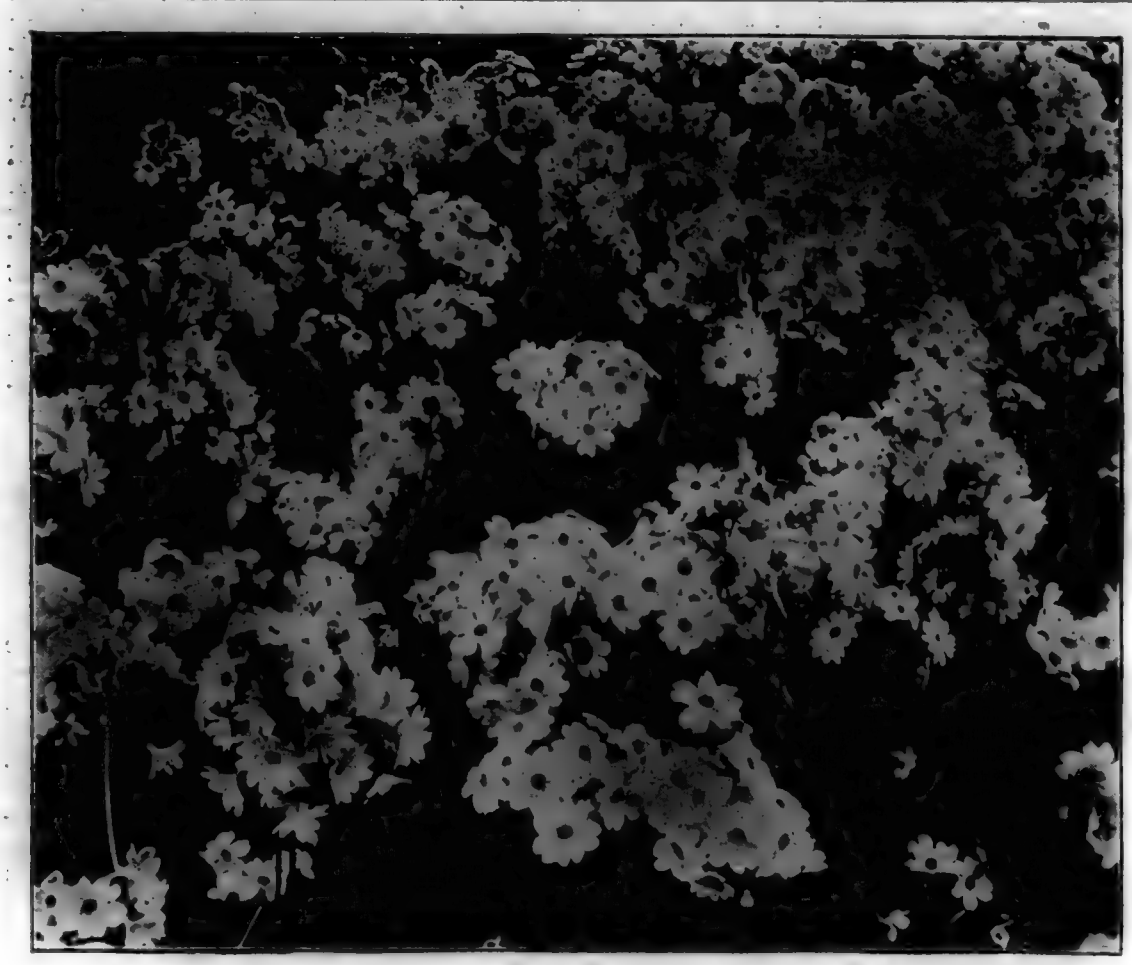
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PRIMULA OBCONICA.

[From advance sheets of the Florists' Manual, by William Scott.]

This is a true species of this very large genus and less than twenty years introduced to cultivation. The same



Primula Obconica.

general remarks will apply to P. obconica as to the widely grown P. sinensis. They like to be cool, airy and there must be an entire absence of dampness. Many profess to being poisoned by handling this pretty plant, but all people are certainly not so affected and you now hear much less of this annoying characteristic than you did a few years ago. Of all other primulas adapted to pot culture this has the longest season of flowering. One author says: "It flowers more or less in a cool greenhouse or conservatory nearly all the year." We can certainly have it in flower from November till well along in summer.

Old plants can be divided in June and kept close and shaded in a frame till they are rooted in their new pots, but raising them from seed is more expeditious and entirely satisfactory. Sow in April or May, or as soon in the spring as you can get fresh seed. Their season of flowering is not only of long duration but they are most prolific, hundreds of their pale lilac umbellate flowers being produced from one plant in a 5 or 6-inch pot. When large enough to handle pot the young plants into 2-inch pots and when well rooted in those shift into a 3-inch. From this time till the approach of hard weather a cold-frame will suit them much better than a greenhouse. See that the surface of the frame is dry, and raise the sashes back and front, shading in the hottest weather. In October shift into their flowering pots; a 5-inch ought to do.

A good loam with a fifth of well rotted leaf mould, or as a substitute for the latter, well decomposed spent hops, will grow them finely. They make lots of root, so will take a liberal allowance of water, particularly when flowering profusely. A night temperature of 45 to 50 degrees will do nicely for the winter months. Like most all of the primulas they are exempt from the attacks of any of our insect pests, but I never noticed that they suffered in the least from fumigating while being in the same house that it was necessary to smoke for the benefit of other plants.

ROSE MARIE FAVIE.

The introduction of polyantha roses has given valuable material for massing and the illustration in May 5th issue shows the wonderful blooming qualities of this variety. The flowers are among the first to appear in spring, and with only a few days' intermission continue to give a profuse harvest until December.

The plant is perfectly hardy in the eastern states, and this adds to its value for open ground culture. The flowers are one and one-half inches in diameter, pale rose at opening, but

changing to pure white. It is unsurpassed for a low hedge and nothing could be more desirable for that purpose, especially for cemeteries where lots are still enclosed. As a forcing rose where small flowers are not objectionable, it is worthy of a trial. Plants grown in pots under glass are excellent for winter blooming.

P. J. B.



A ROSE PEST.

Growers in various sections of the country have of recent years suffered considerable damage from a little white worm that attacks the flower buds of the rose when they are quite small, and puncturing the stem just at the base of the bulb causes the bud to turn black and drop off. With one large grower the pest has been especially destructive on his Meteors.

The government entomologist, at Washington, tells us that the worm is the larva of a new species of the genus Cecidomyia, which has not yet received a specific name. It is the habit of these little larvae or maggots to leave the buds, flowers and stems when they are full grown and to drop to the ground, which they enter, and there undergo their transformations, issuing eventually as delicate little two-winged flies.

Kerosene emulsion is recommended to be sprayed on the plants as a remedy, one part of kerosene to twenty parts of water. As some of the larvae may drop on to the paths and make their way to the ground under the benches it would probably be wise to spray there also. Possibly persistent fumigation during the time the little flies are emerging from the soil would be effective. As the pest can so completely destroy a crop of roses it is one that should be most vigorously combatted, and no effort spared to eradicate it. If the flies are killed before their eggs are laid of course there will be no larvae and it is the larvae that do the damage.

SOME ROSE QUESTIONS.

I have one house, 20x120, shed roof, facing the south. There are two overhead 2-inch steam pipes running along the two purlins and four 1½-inch return steam pipes hung on the sides and ends. I have never yet been able to grow Meteors satisfactorily. The house has a glass partition across the middle. Will you please locate where I should place 100 Meteors. For the first 60 feet at the end near the boiler are two solid beds. In the east 60 feet, or the end farthest from the boiler are three raised benches and four paths. I want to grow roses and carnations in this house—about 500 carnations, the remainder of the space to roses. I grow La France, Wootton, Bride, Bridesmaid, Gontier, Perle, Beauty and Kaiserin. We have a bench 6x50 in a house running north and south that we use for roses.

If you will instruct me where to place the various varieties where they will give the best returns, and where I can grow good Meteors, I will consider it a special favor. E. C. N.

South Dakota.

It is not quite plain to me whether this house runs north and south or east and west. The latter for growing roses and carnations is much preferred, but if built the other way and the glass is of a good size and there are no deep rafters, you can get along all right and grow roses. I say the above with confidence as good roses have been well and profitably grown in a house with the ridge north and south and the glass only 8x10 inches, but no one would think of building such a house nowadays for either roses or carnations.

The number and size of pipe is sufficient to keep up the desired temperature, only I do not approve of the overhead pipes. It is a waste of heat. Hung on the side walls is the place for them, the top pipe as near the glass as possible. Always spread the pipes as much as possible. The farther the pipes are from one another the more heat you will get from them. If not too much of a job put all your steam pipes on the side walls. Plant the Meteors in the partition nearest the boiler, as in that case there will be no gable end to be cooled off by cold winds.

Roses are grown to such perfection on raised benches in four inches of soil that it is useless to discuss solid beds. American Beauties are grown in solid benches very largely now by some Eastern growers. I could not see that they were more healthy or bore more or better flowers than those on raised benches, but they were just as good and there is one big item saved—the continual building and repairing of benches. These so-called solid benches are not two or three feet of soil; they are simply six inches of soil on top of coal ashes or some other material that gives perfect drainage. You had better stick to the benches with four inches of soil and see that the planks of the beds are not over six inches wide and a space of three-quarters of an inch between them. It is understood by all rose growers that Meteor requires 10 degrees higher temperature by night and day than our other roses, or you will get less buds and they will be useless. Sixty-eight degrees at night is the correct thing for Meteor; an occasional drop to 65 degrees won't hurt. Fifty-five to 58 degrees is considered by all good growers as the proper temperature for nearly all the other varieties. For the two most valuable roses, Bride and Bridesmaid, it is high enough. You will get more buds if the temperature is kept steadily at 58 to 60 degrees, but at 54 or 55 degrees you will get the finest flowers.

I have read somewhere about carnations being grown in a night temperature of 60 degrees, which is absurd. You might force out a lot of flowers in that heat and spoil your plants, but that is not growing carnations; 50 degrees at night will grow any carnation from October to June, and that still most valuable kind, Daybreak, will be far better in a night temperature of 45 degrees; in fact, that is abundantly high. Many make the mistake of firing hard at night and then let up during the dark winter days. If your carnations have been at 50 degrees at night they should at least be 65 degrees in the day time, with ventilation, if possible, every day. Maintain the temperatures I have given above and mix a liberal amount of brains with your watering and you will get flowers.

WM. SCOTT.

FERNS FOR DISHES.

Mr. A. McAdams, Chicago, has quite a large trade in fern dishes and grows himself the larger portion of the ferns he uses. For lasting qualities he places Cyrtomium falcatum at the head and another point in its favor is that it is very easily propagated. From a couple of stock plants he can get all the spores he needs. These are sown in May and June, which brings the young plants to a useful size for the holidays and later. It is some trouble to carry the plants through the hot summer, but it is well worth the trouble. They can be carried through the summer in a shaded house in which a damp atmosphere is maintained. If propagated in the fall they are slower to come to a useful size and are apt to attain that size at a time when there is a surplus of ferns. From the seed pans he pricks out little clumps into flats on

the surface of which is a layer of very fine gravel and coarse sand to prevent the appearance of fungus. When of sufficient size these clumps are again divided and the individual plants placed in 2½-inch pots. They are kept in these pots till used. If a few become over-sized they are potted up and worked off as pot plants, but this is to be avoided if possible. A good way is to sow some every month in order to keep up a succession. The above applies to practically all the ferns he grows.

Next to the above he places Pteris serrulata and Pteris serrulata cristata, both of which are used in quantity.

Pteris magnifica is found very useful, but it is a very rapid grower and is apt to soon get beyond the desired size, it being a tall grower also, which makes it unavailable for dishes when large.

Pteris cristata variegata is considered a gem, but the stock seems to be still scarce. It is splendid for a light colored variety. It produces spores very sparingly and may never be plenty.

Pteris adiantioides and Pteris palmata are both useful ferns. The former is the best in some respects, but both are good keepers.

Lastrea opaca is used when in a young state, and is useful to give a feathery effect. Onychium japonicum will give the same effect, but is not lasting enough, and if used in a dish is one of the first to give out. None of the adiantums can be used for the same reason.

Cocos Weddeliana, though not a fern, is much used in the center of fern dishes and always gives satisfaction.

He has of late been using small plants of Asparagus tenuissimus in fern dishes and the results were so satisfactory that he is growing a batch of plants for the purpose. It adds a grace to the arrangement and is more lasting than the ferns. Customers seem to like it.

Pteris Mayii is a pretty and useful fern for dishes, but plants are very slowly produced.

Pteris cretica albo-lineata has been practically discarded. It is easily increased, but the habit is too straggling. The mature leaves hug the surface of the soil and the slender young fronds thrown up from the center are not very decorative.

Pteris Victoriae is pretty, but color not sufficiently distinct under ordinary cultural conditions to meet requirements. P. Argyreia has good color, but the plants won't stand the wear and tear and the habit is too bold.

In ferns for pot specimens he places Nephrolepis exaltata Bostoniensis at the head, though he also uses N. exaltata freely. N. cordata compacta he finds too stiff in habit, and it soon grows so dense that it is apt to decay in the center. N. davalloides furcans is a very useful variety as a pot specimen.

When of large size Cyrtomium falcatum is also useful as a decorative pot plant, but there is sometimes an open center that detracts from its value in this connection.

In spite of the fact that Mr. McAdams grows so many ferns himself, he still finds it necessary to buy a few thousand occasionally of varieties of which he has run short.



Interior.



Exterior.

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If you don't get your own stock planted out before the 5th of May you are not likely to get it done before the 15th of June. I speak from experience, for those twenty days are so taken up with filling orders that you have no time to think of anything else. You may make up your mind that you will have one man "attend to such things," and leave him alone and it will only be in your mind, for when you are in the real rush you will call him to help out and half a dozen others if you had them. So get out all you can a few days before you begin planting for your customers.

What to Plant Out.

You should have a good number of Stevia serratifolia (sweet stevia). Give them two feet each way. They want no attention after the first watering except hoeing. If you still grow bouvardias plant them out a foot apart in a rich, light soil. A few Linum trigynum are desirable; give them at least one foot each way.

Hydrangeas that are not wanted for Easter forcing should go out at once. If you don't have a deep, rich soil for the hydrangeas within reach of the hose you can plant them later on the bench in five or six inches of soil, where they will be sure to get attention, but if you have the right place outside there they make the largest plants.

A lot of English ivy that was propagated this spring should go out. They make the best of droopers for vases and boxes. They make fine plants by the fall, lift so easily and occupy the poorest place you have; even under the benches they will thrive. You will want a good many vincas. Get them into the ground at once. They make fine plants for division during the next winter.

Plant out a few of everything you need for stock. A few plants of each are enough of many plants, but of others more, and above all get out your stock of geraniums. The Zonale, variegated, bronze and the semi-double are much the most important of all and you cannot get thousands of good, healthy cuttings next September unless you plant out now a fine lot of healthy plants, and now is a good time to buy any new varieties that you wish to add to your stock. Alphonse Riccard is turning out a most beautiful large flower of rich, rosy scarlet; just what we want for a bedder. I don't keep account of the varieties now as I did when we could tell forty of them by their leaves without the flower; less varieties will do. Some of the most beautiful flowers make poor growth outside. S. A. Nutt, by no means new, is a grand variety to grow and flower, but a little dark. The variety mentioned above is likely to become very popular.

Ten or twelve inches apart is all right to plant geraniums for a flower bed, for a dense mass of flowers is all that is wanted; but for cuttings they should not be so close. Keep the rows eighteen inches apart and the plants fifteen inches in the row. You want air and daylight to permeate through them and the cuttings to grow close jointed and firm.

You will most likely have added several new varieties of cannas to your stock; quite right if you did, for there are several fine ones. Get them out of the house and plainly labeled before they are sold by mistake for perhaps less than they cost. Never put out new geraniums and other plants, particularly cannas, which you don't know in variety familiarly by sight without distinctly and plainly labeling. You think you will remember them, but you won't, and if you did it would be a foolish tax on a brain that should be better employed. A plainly written label saves all trouble. There is not only a great advantage to the plants in getting them out in good time, you will have less to care for inside.

Dahlias.

There is likely to be a good demand for these this spring. When their requirements are well understood they can be grown here to perfection, but not with the same care as you bestow on a canna or salvia. Dormant roots could have been put out a week ago, but the started plants and those propagated this spring should not go out till the first of June. Dig a hole eighteen inches across and one foot deep, put three inches of manure in the bottom, and when filling in the soil again mix at least a third of manure with the soil. Leave the surface cup shaped so that you can water readily and to good effect. Drive a good stout stake into the center of the hole four or five feet out of the ground and then plant the dahlias.

If you do this labor for your customers they must pay for it. It is no use trying to grow dahlias unless you go to this trouble, and although I am entirely opposed to watering our summer flowers out of doors the dahlia is an exception. A good soaking twice a week is what it wants. After the plant has started to grow hoe the surface and then put on a heavy mulch; watering will then be of the greatest benefit.

Planting Flower Gardens.

Year by year we are expected to do more labor for our patrons without extra compensation, but we must draw the line somewhere, and the plan we adopted last year worked all right. If there is a bed or beds, the order for which amounts to $10 and upward, the customers will invariably ask you if you won't let your man plant them, "the beds are all ready." Sometimes this is true, and many times they are only ready for the pickaxe and spade, being as hard as seven months of winter can make them. Let it be clearly understood that if the beds or borders are really ready your man will plant them, but if they are to be dug and raked, the men's time will be charged for, and charge 40 or 50 cents an hour for their labor; in your busy time it is worth it. An expert will plant a great many plants in an hour. They will be properly done and redound to your credit, whereas if their hired man planted them it would be a botch and you would often be blamed.

Speaking of proper planting, say for geraniums, coleus, heliotrope, etc., there is only one proper way. I can hear some young men say fiddlesticks and see older men turn up the point of their proboscis; it does not matter, it is the way. Make a hole with the trowel a little larger and deeper than the ball of the plant. Place the plant in and enough earth to hold the plant in place, or say half fill the excavation. When all the plants are in their places water, not as a shower, but to each individual plant. In a few minutes fill in the surface with the dry earth. That watering will last longer and be of more service to the plants than all the future surface watering you can give. How long would you have to stand with a hose to wet the ground say six inches deep? Think of it; if there was the slightest rounding to the bed you would have the surface soil all washed off before the roots were

reached. This is the way to plant, whether it be a geranium, carnation, a Norway spruce or an elm tree.

Sow your first sowing of primula end of this month; also Primula obconica, they sold pretty well last winter.

In conclusion, although carnation houses have done finely without any fire heat for more than a month it is the poorest economy to let your fires out in the plant houses. A little fire heat and plenty of ventilation should be the order of things till June 1.

WM. SCOTT.



CHRYSANTHEMUM NOTES.

Propagating.

The great bulk of cuttings if not already in the sand, should be put in as soon as possible. For late work, of course, June is early enough, but plants for the main crop cannot be prepared any too soon. Cuttings will root out in cold frames all right now if the glass be shaded and they are frequently syringed, and will be better outside. In fact unless one has a good, cool propagating house, well shaded, young plants, too, if put out in the frame for a week or two, harden up wonderfully and are in a good deal better condition for planting than they would be if kept inside, where they are too often stood close together and get drawn up.

Planting

should be begun as soon as the early varieties are ready. Use a good fibrous loam to fill the benches and if you must use manure, let it be well rotted. We don't believe in using any. It is not necessary and in fact is often a cause of trouble if care is not used in watering. If you are growing many mums the early varieties are better if they have a house to themselves, then in the fall when the application of a little heat means a big difference in the profits by getting the flowers earlier, it can be done without any detriment to the main crop.

When all are planted in the same house all necessarily receive the same treatment. If only one house is used we would suggest planting the early kinds at the warm end. The indiscriminate rooting and planting out of varities all mixed up cannot be too much condemned. To get good results attention must be paid to season of flowering, relative heights, colors, etc. In addition to the early kinds the dwarfer, more delicate of the midseason varities should be planted this month. Our Bonnaffon are planted, and others we would recommend to be benched as soon as possible are Mrs. Jerome Jones, Mrs. Robinson, Golden Wedding, Pennsylvania, and Ivory; in fact, to get the best possible results, May is a good month to bench most all kinds except the very strongest. Exhibition flowers cannot be expected when the plants have only four or five weeks in which to make their growth.

The distance apart to plant every man must settle for himself, taking for his guide the quality of flowers he wishes. For finest flowers 10 inches each way is not too much. Then the sun gets a chance to ripen up the wood of each plant in the middle and at the back of the bench equally with that of the plants in the front row and ends.

C. TOTTY.

THE PAEONIA.

[From advance sheets of the Florists' Manual, by Wm. Scott.]

We sometimes laugh at our old-fashioned friends for calling these handsome perennials "Pinies," but old-fashioned catalogues sometimes spell the name "Piony," and that comes pretty near it.

The cultivation of the herbaceous section is too well known to need any lengthy remarks. They should have a deep, rich soil; you cannot overdo it on either point. If planted for commercial use, four feet apart is as close as they should be placed. They will flourish for a number of years undisturbed, but every fall a good sprinkling of manure over the surface and forked or cultivated in the spring, will help them retain their vigor.

The flowers of the paeonia are in good demand every season and if you have plenty of room a few hundred plants will be quite profitable. The white and different shades of pink are the favorites. There are hundreds of varieties, and many beautiful ones that are called single, some being quite single and others having a small double center with an exterior row of large petals; these are very beautiful and can be called the anemone section.

The herbaceous paeonias are the hardiest of hardy plants. The best time to divide and transplant to increase the stock is in October and November, or very early in the spring, as soon as the frost is out of the ground. A small section of root with an eye or bud will in three years make a large clump. When planting small pieces in the fall be sure to get them well down in the soil; let the bud be an inch below the surface, for the frosts will be sure to raise them up.

Paeonias seed freely and if the seed is sown as soon as ripe and the little plants kept in a cold frame the following winter and planted out in the spring, they will flower the second year. For the commercial florist it is, however, must better to buy roots of both these and the tree section.



Tree Paeonia Queen Elizabeth.

The Tree Paeonia, as its name implies, more nearly resembles a shrub and the flowers surpass in beauty those of the herbaceous section, but are not so useful to the florist. They make beautiful specimens for the lawn, either singly or in groups. They are largely used to force for conservatory decoration, and are a valuable addition to our Easter plants, though they can be forced as early as January. For forcing, good plants should be selected in the early spring and potted into good sized pots or tubs and grown the following summer; then they will force with ease and satisfaction the coming winter.

You cannot divide the tree paeonia at the root as you can those of the herbaceous section, they being grafted, an operation you had better leave to the specialist.

PHILADELPHIA.

Supply—Prices.

Quaker week closes with a fine day and a record for clearness that was out of sight of either of its predecessors. The week pretty nearly broke the record in another way. The tradition has been handed down that on May 10th you can safely plant geraniums and other soft wooded plants out of doors. This tradition is almost universally respected here; on May 9th we get ready and on the 10th out they go. Well, this season we had a beautiful white frost on the 9th and early on the morning of the 10th the thermometer registered 38 degrees!

Business was fairly active in plants, but quiet in cut flowers; though the demand is satisfactory for the season. Roses are plentiful, the bright weather of the end of the week perceptibly increasing the supply. Carnations are not coming in freely; the price is $1 to $1.50, fancies $2 a hundred. Returning to roses. Good Beauties are $1.50 to $3; teas, $3 to $4; a very few worth $5 and $6. Sweet peas are 50 cents to $1. It now seems likely that even the earliest outdoor blooms of this popular flower will be too late for the first June weddings, which will give the indoor crop a little more chance. Valley is in moderate supply at $2 to $4. Asparagus plumosus and Sprengerii have sold well in sprays.

Germantown Hort. Society.

At the meeting of the Germantown Horticultural Society on Monday evening a very interesting talk on wild flowers was given by Secretary Redles, who also presented the society with a gavel made from the pecan tree lately cut down at the corner of High and Main streets. This tree is said to have grown from seed sown by Thomas Nuttall over one hundred years ago. Frank Smith, gardener to the Misses Nixon, showed an interesting collection of plants.

Benefit for Florists' Club.

Wednesday was benefit night for the Florists' Club at the "Telephone Girl." The members present discovered that Busy, Busy, Busy really referred to the fair operator and not to their desired connection, while the ladies were deeply interested in learning wherein lay the charm of this hitherto unseen business associate. Dumont & Co. were largely instrumental in getting up the bouquets, some thirty being handed to the members of the company.

The club realized $135, about four-fifths of what is needed for the show cases for the bowling and shooting trophies.

The Lily Trouble.

Great interest has been taken in the statement made by Mr. G. D. Clark that one of the customers of his firm, the H. A. Dreer Co., has succeeded in destroying the mite which attacks the lily bulb by soaking the bulb in a certain chemical preparation. The exact value of this preparation as a mite destroyer has not, I understand, been absolutely proven. The bulbs so treated did well. It is to be hoped that the mite can be destroyed without injury to the bulb, but there is no question that it would be better still not to have the mite at all.

While on this subject, I would like to say that my earnest effort to secure a guarantee of freedom from disease with lilies must not be construed as an attack on the importers of these bulbs. I honestly believe it is to their interest to get this guarantee and get it quickly. It hurts an importer to have it known that his stock turned out badly. No matter if it isn't his fault, the buyer naturally feels put out about it. Help us get this guarantee, gentlemen, and you will receive the florist's warm thanks and his cash, too.

While syringing the other day I was told a gentleman wanted me in the shed. He wanted to sell that so-called indelible lead pencil for use on wooden labels. After he had shown their merits, I told him I didn't use such pencils. He eyed me a moment. "Ah! you cannot write! You are the only man around here who cannot write!" With that he left. Perhaps The Review readers agree with him.

Flag Raising at Riverton.

Through the courtesy of the H. A. Dreer Company a representative of The Review was present at the flag raising at Riverton on Saturday afternoon, May 14th.

The ceremonies were opened with an address of welcome by Mr. William F. Dreer. Then Miss Bertha Eisele, daughter of Mr. J. D. Eisele, pulled the rope loosening a slipknot by which the ball of bunting was held at the top of the pole, 45 feet above the main shed. As the large flag unfolded, two hundred little flags fluttered to the roof below. Then the employes both from the place and the store, over one hundred in number, sang the "Star Spangled Banner," led by Mr. Thiel.

The speaker of the day, the Rev. Marshall Owen, followed with a patriotic address. At its conclusion "My County, 'Tis of Thee" was sung. The last speaker, Mr. Bookner, had not expected to be called upon and after a few words called for three cheers for the Rev. Mr. Owen, which were given with a will.

The ceremonies lasted forty-five minutes and were witnessed by about three hundred people. A supper given by the firm to the employes closed a very pleasant gathering marked by enthusiasm and good fellowship.

J. W. Y.

OBITUARY.

Thomas Cartledge.

Thomas Cartledge, the widely known and universally respected florist of Philadelphia, the head of the firm of Pennock Bros., of that city, died last Tuesday evening, May 17, at his suburban home in Holmesburg. For over fifty years Mr. Cartledge has been a leader in the trade of Philadelphia and his friends were legion, for to know him was to become his friend. No man in the trade was more universally respected than Thomas Cartledge, and the news of his death will be received with sorrow by the whole profession.

For many years Mr. Cartledge was treasurer of the Florists' Club of Philadelphia. He was always active in all that would advance the real best interests of the profession. He was a member of the Society of American Florists, and occupied numerous positions of honor and trust during his long business career. On the fiftieth anniversary of his connection with the business a banquet was given in his honor by the Florists' Club of Philadelphia, and the occasion was a notble one, the large attendance testifying in an unmistakable way to the exalted position he occupied in the hearts of his fellow craftsmen.

His name has always stood for the highest and best in manhood, and his death is a serious loss to every one who loves a noble nature. Emulation of his splendid example in both business and social life will be the most lasting monument to his memory.

CHICAGO.

The Market.

The market is well supplied with stock and since our last report there have been several slumps in prices. At present prices on tea roses range from $1.00 to $4.00 per 100, the bulk of the good stock going at from $2.00 to $3.00, and large quantities being lumped off at the lowest figure. Only the extra select shipping stock brings $4.00. Beauties range from $8.00 to $20.00 per 100. There seems to be plenty of extra long and short, but an insufficient supply of medium grades. Carnations range from 40 cents to $2.00 per 100, the bulk of the stock selling at from $1.00 to $1.50, only the very extra bringing $2, and large lots of lower grades being jobbed off at from 40 to 50 cents per 100.

Large quantities of lilac are now arriving and the crop will hold over to Decoration Day, as will a lot of other



View in the Wholesale Store of Mr. E. C. Amling, Chicago.

out door stock, such as Poets' narcissus, lily of the valley, etc., unless we should have some phenomenally hot weather between now and that date. Present indications are favorable for an unusually large supply of flowers for Decoration Day, and that the outdoor stuff will be of extra quality on acount of the cool weather we have had. Decoration Day prices on tea roses will be about $3.00 to $6.00, and on carnations $2.00 to $3.00.

Club Meeting.

The regular meeting of the Florists' Club will be held in room 417 Handel Hall Building, 40 Randolph St., tomorrow (Friday) evening. The subject for discussion is: "Sweet Peas and Plants for Summer Blooming."

Bowling.

The bowlers had another bout at the alleys at 77 Randolph St., last Friday evening. The high single score was again 188, but this time was made by C. W. McKellar. Following are the scores and averages:

	1st.	2nd.	3rd.	Av.
C. W. McKellar	149	131	188	156
E. F. Winterson	167	124	160	150
G. L. Grant	161	129	112	134
G. Stollery	106	141	147	131
C. Balluff	120	125	147	130
A. C. Kohlbrand	114	122	153	129
O. Kreitling	116	103	151	127
A. McAdams	167	99	104	123
Robt. Schenk	119	123	...	121
W. Kyle	145	101	103	116
J. Degnan	90	107	137	111
W. H. Kidwell	78	119	88	95
S. Snedeker	85	70	94	83

The next games will be played after the Florists' Club meeting tomorrow night.

Various Items.

Last Sunday President Gude and Secretary Stewart, of the S. A. F., were the guests of Mr. W. C. Egan, at Highland Park. They spent Monday in Chicago and left that evening for Cleveland, where they spent a day before proceeding home.

J. A. Budlong has opened his new wholesale store at 37 and 39 Randolph St. It is in the basement, but well lighted from the street, and it is being fitted up in good style. A. H. Budlong is in charge and reports good business from the start. John Zeck is on deck and gives the regulation grip to visitors.

John Michel has opened a floral store at 871 Lincoln Ave.

The Standard Floral Co. have a neat store at 2961 Wentworth Ave.

J. F. Kidwell certainly has faith in Pteris cretica albo-lineata, judging from the quantity he is growing. He grows a lot of other ferns and everything on the place is in fine condition. W. H. Kidwell now has a half interest in this establishment and is in charge, while J. F. spends most of his time at his place near Lafayette, Ind.

Vaughan, McKellar & Winterson recently received an importation of two and one-half tons of Italian wheat of extra fine quality. This firm is continually developing its department of florists' supplies. Charlie McKellar has "collared" both the American and Cuban flags, while Ed. Winterson carries the colors on his bald spot.

Kennicott Bros. Co. are receiving from Klehm's Nursery some gladioli, with stems four to four and one half feet long, and well flowered.

Mr. E. E. Peiser, of Kennicott Bros. Co., announces his intention to offer $20 in special prizes for carnations at the Chrysanthemum show. There will be first prizes of $3 and second prizes of $2 for 25 white, 25 yellow, 25 red and 25 mixed commercial seedlings. Mr. Peiser's idea is to encourage the smaller growers to compete.

Albert Fuchs is building five new houses, one 25x175 and four 25x75. He is growing a lot of palms, having 300,000 seeds in the soil.

Mr. A. McAdams reports that the spring plant trade has opened fully equal to last year. Among plants recently imported is a batch of Acacia paradoxa which he will offer next season as an Easter plant.

The stars and stripes now wave at Lincoln Park. They lay on the sloping lawn in front of the conservatories, but they wave just the same. The red stripes are of Alternanthera Lindenii, the white ones of Leucophyte Brownii and the stars are echeverias in a field of crushed blue stone.

J. C. F. Meyer had quite a siege of illness this winter, for several months being unable to attend to business. He is now about again and endeavoring to make up for lost time. He has the old Lewis establishment on Dunning street. Fred is one of the old-timers. He was foreman at the Miller & Hunt greenhouses when that establishment was an important factor in the trade in this city. He tried a bed of mushrooms under one of the benches this winter and was very successful, cutting over 100 lbs. of mushrooms from the one bed.

J. Austin Shaw, the Brooklyn Bard, and Alfred Orchid Dimmock, were recent visitors. Also Mr. N. J. Kraft, Rockford, Ill., the inventor of Kraft's Plant Tonic.

Bassett & Washburn will plant a house with Asparagus plumosus nanus to be grown for sprays. They find a constantly increasing call for these sprays, and will grow them instead of adiantums.

Little Ned Washburn, son of Mr. Washburn, met with a very unfortunate accident recently. While playing with some boy friends in a barn he was lifted up by them, and while trying to reach something overhead, caught his hand in a rusty wire hook that tore his hand badly before it could be disengaged. Prompt medical attention was given, and it is hoped no serious results will follow.

Paeonies are beginning to arrive from southern points, and there is lilac galore. Billy Lynch trims the stems of his lilac with his "little hatchet." It reminds him of that cherry tree.

A. L. Randall has returned from the West Baden Springs much benefitted in health.

O. P. Bassett's stay at the springs seems to have done him a world of good. He is the picture of good health.

SEND IN your order now for a copy of The Florists' Manual, by William Scott. It will cover the whole field of commercial floriculture and will be the standard work of reference for the trade. Price $5.00.

BOSTON.

Review of the Market.

With a few warm, sunny days the receipts of most everything in the flower line have been largely increased, thus bringing the state of the market almost to a summer standstill, and the fakirs are now in their glory, being able to obtain plenty of stock and almost at their own figure.

Carnations are still a leader, but at lower prices; common grades averaging about $1.50 per hundred; strictly fancies, however, still hold their own.

The quality of the roses coming in is first class, but the demand is light, with prices same as last week. Beauties and Jacks, of a strictly No. 1 grade, find a ready market, bringing as high as $4.00 per dozen for Beauties, while W. H. Elliott's two-foot Jacks are taken quickly at $3.00 per dozen.

Lilies have slightly improved during the week and the stock is generally cleaned up every day. Valley is still in good supply at $3.00 per hundred, while violets have shortened up considerably and are taken up by the retailers as fast as they come in. Other stock is slow at last week's quotations.

Trade at the Stores.

The wholesalers report business as quiet, being confined almost entirely to local buyers, while prices are about the same as are obtained on the open market. The shipping trade is considerably less than the average for this time of the year.

Among the retail trade business is variable, with the volume hardly up to that of a year ago. At Galvin's the demand seems to be for high grade carnations, the new Mrs. Thos. W. Lawson, controlled by them, being a leader. This firm is also very busy catering to the patriotism of their customers, as red, white and blue dinners are now quite a fad. Beauties and violets are the flowers used, being helped out with red and blue ribbons, the white of the tablecloth making the third color.

Doyle reports a good trade for American Beauties, of which he is carrying some excellent blooms, and is also quite busy with funeral work. He reports trade about equal to last year.

Both Newman and Zinn are doing considerable in design work, with a fairly good call for cut flowers. Everybody is looking forward to a rushing Decoration Day trade.

Plant Trade.

Plant growers are now very much in evidence, and are hustling to clean out their stock as quickly as possible, but are having a tough time considering the trade of former years; whether it is the war or the backward season is still a conundrum.

Down at the market the call is for geraniums, prices averaging about 10 cents, while pansies go slow and have been selling from $1.00 per dozen to 15 cents for a single basket. The weather is too cold yet for soft wooded stuff.

At the auction room most of the stock consists of pansies and geraniums, but the demand is not yet on and they have to be forced, selling at prices slightly below the average.

The Weekly Exhibition.

The Saturday exhibition of the Horticultural Society, while confined to only a few exhibitors, contained some very fine displays.

Messrs. R. & J. Farquhar & Co. showed a fine collection of narcissus, and were awarded a certificate for Narcissus Victoriae. Mrs. D. P. Richards made her usual exhibit of wild flowers, while Mrs. E. M. Gill and James Comley exhibited seasonable cut blooms. The pansies from the Fay estate were elegant specimens.

For novelties Mr. J. E. Rothwell exhibited Cypripedium bellatum var. album, which is an extremely rare plant, while Mr. Robert Laurie, of Newport, R. I., showed eight blooms of what he calls an ever-blooming chrysanthemum, named Independence. These were grown from cuttings taken Feb. 10th and flowered in 3½-inch pots. It looks a good deal like Mme. F. Bergman, which can be made to flower at almost any time by keeping it pot bound.

News Items.

Dudley Hartford is fitting up a store on Portland street, near the northern station. He intends to do a general florist's business.

The seedsmen report trade good, about the same as usual at this time of the year.

M. Rice & Co.'s salesman from Philadelphia, and Mr. Maynard, of the Jadoo Fibre Co., are in town.

The public gardens and parks are ablaze with gorgeous colored tulips and attract lots of visitors. P.

THE OMAHA MEETING.

President Gude, of the S. A. F., reports that arrangements for a successful meeting were satisfactorily concluded during his visit to Omaha last week.

The place selected for the meeting is the First Presbyterian Church, which has a seating capacity of 500, the seats arranged in tiers as in a theatre. The auditorium is very prettily decorated and the acoustics are good. He believes it will prove an exceedingly satisfactory meeting room. The exhibition will be held in the basement of the church, and all will be under one roof.

President Gude says he found the Omaha florists very enthusiastic about the coming convention and was certain they would spare no effort to make the annual meeting one of the most successful in the history of the society. He and Secretary Stewart were most hospitably entertained by the local florists during their visit and a very enjoyable banquet was given in their honor.

He was much pleased with the appearance of the Exposition grounds and buildings and believes the exposition will be worth a long trip to see and enjoy. He found the trip out and back very pleasurable and expects to find it equally so in August. He is confident that no mistake was made in selecting Omaha as the meeting place for 1898, and believes that the Omaha convention will fully equal in attendance and interest any previous meeting of the society. He anticipates a good attendance from the east and an unusually large number from western territory.

NEW YORK.

Among the Wholesalers.

Business looked quite roseate the early part of the week, but dropped into the old rut again by Wednesday and kept everybody guessing.

Beauties there are still in plenty and price ranges all the way from $1 to $20 per 100, according to quality and size of stem. Other roses are quite equal to the demand, but the quality is not so good, and, strange to say, ever since the battle at Manila, the stock has been more or less mil- "dewy." The flowers are good, but the foliage detracts from the beauty and value of the stock. Good, clean stock will average as high as $6.00 per 100, while the general run will realize all the way from $10 to $30 per 1,000, while "straight slips" are sold as low as $20 per 1,000.

Carnations are on the home stretch and quality and price are getting poorer. Sale was fair, however, the early part of the week, except for Portia and Daybreak. Scott is undoubtedly the most popular variety and best seller in the New York market today; in fact is from the day the season opens.

Violets are getting to be a back number and very little good stock is seen. Lilac there is in plenty. This seems to be very popular with the masses and is cheap, all coming from outside; price 2½ to 25 cents a bunch, according to size and quality. Gladioli are coming in and $10 per 100 is considered a fair price.

Valley received somewhat of a boost the last week, heavy funeral orders bearing the market somewhat. A little "frame valley" is to be seen and sells for $2.50, forced somewhat higher. Harrisii lilies are shortening up; price $4 to $6 per 100.

Cattleyas are getting more plentiful, the variety Mossiae being mostly in evidence; 50 and 60 cents apiece is realized for selected blooms. Quite a lot of sweet peas are to be seen and sell from 5 to 12 cents per bunch.

American Institute.

The usual monthly exhibition was held last Wednesday in the rooms of the above, and flowering shrubs, perennials, etc., were the feature.

Siebrecht & Son showed an excellent collection; noticeable were Doronicum plantagenum excelsum, the pretty Cercis japonica and Cercis canadensis, and a collection of Japanese maples.

J. Lewis Childs also showed a comprehensive collection. Conspicuous were Daphne Cnorum, Solanum Wendlandii and the saxifraga or Megasea cordifolia.

J. G. Aitken, Bayonne, N. J., and W. Turner, Tarrytown, also exhibited nice collections.

During the afternoon session Samuel Henshaw, of the new Botanic Garden, gave an interesting talk on hardy flowering shrubs and the evening session was devoted to a lecture on Colorado plant life by Mr. Cornelius Van Brunt, which was beautifully illustrated by stereopticon views, photographed by himself.

Notes.

J. H. Small & Sons have enlarged their store and have taken in the one adjacent. During the summer extensive alterations will be made so that it will compare with any of the finest in the city by next winter.

ST. LOUIS.

Club Meeting.

The Florists' Club meeting last Thursday was not well attended, as this is the busy season for the growers. Only about 15 members attended, including the officers. The meeting opened promptly at 3 p. m. with President Halstedt and all the officers at their stations.

The chairman of the exhibition reported that everything was progressing favorably and that the special prizes for the show to date amounted to $1,800. The indications are that the club will have the largest and best show ever held.

The committee on revising the constitution and by-laws must report at the next regular meeting of the club, if not a new committee will be appointed.

After a lengthy discussion in regard to the next S. A. F. meeting at Omaha the president appointed every member of the club a committee of one to see the different florists about town and endeavor to have them go with us, reporting at the next meeting the names of those who intend going.

Messrs. F. W. Ude, Jr., and Frank Fillmore brought carnations and roses for exhibition. The meeting adjourned until June 9 at 3 p. m.

Cut Flower Situation.

The situation in the cut flower market is about the same as last week. On Monday stock came in sparingly and we began to think the glut would subside awhile, but the next day and during the remainder of the week roses and carnations came in more freely each day.

Prices can not be quoted just now as all kinds of flowers are plentiful, the wholesaler selling them at almost any price to save them from the dump pile.

Botanic Garden Banquet.

The ninth annual banquet of the trustees of the Missouri Botanical Garden was held last night at the St. Nicholas Hotel. There were seventy covers and guests from abroad were present; provision in the will of the late Henry Shaw permits the trustees to invite literary, and scientific men, also friends and patrons of the natural sciences. The rooms and tables were beautifully decorated for the occasion.

During the festivities addresses were delivered by several of the distinguished guests. First was a tribute to the memory of him who founded the institution, "Services of Henry Shaw," by Chancellor F. H. Snow, of the University of Kansas; "Relation of the Ministry to the Tillers of the Soil," Right Rev. L. Coleman, Bishop of Delaware; "Garden of Science and Scientific Gardening," Prof. Conway MacMillan, of the University of Minnesota.

Bishop Coleman, on last Sunday, preached the flower sermon at Christ Church Cathedral upon the "Goodness of God as Shown in the Vegetable Kingdom," as provided for in the will of the late Henry Shaw.

Notes.

Considerable planting has been done this spring in our parks. Supt. Pape has pushed the work along so that the parks are nearly all in fine shape and attract the attention of all our visitors.

Lloyd Vaughan, of Vaughan, McKellar & Winterson, Chicago, is in town looking the picture of health. He reports business in his line better than ever. Mr. Vaughan is en route for West Baden Springs to look up some of his friends.

Ludolf Bauman, representing Frank Netschert, Chicago, spent a few days among the trade last week.

T. H. Brown, of Durant & Brown, Alvin, Texas, has been with us for a week. They are sending to this market a large lot of cape jasmines, of which they have 10 acres in Texas.

Charlie Wors reports that he is having excellent trade and even now with the great glut, some days he sells out clean.

Arnold Ringier, representing W. W. Barnard & Co., Chicago, arrived this morning (Tuesday) from the west. Mr. Ringier reports trade good.

The bowling club celebrated the fifty-first birthday of Fred C. Weber, Monday night, with refreshments and bowling four games of cocked hat. Mr. A. L. Vaughan, of Chicago, was a visitor. Kuehn rolled high, 128; Helwig second, 119, and Fillmore third, 110. The highest single score was by A. L. Vaughan, 47. J. J. B.

TRY AN ADV. in the Review if you have any surplus stock to sell to the trade.

KRAFT'S PLANT TONIC.

Some months ago a preparation called "Kraft's Plant Tonic" was called to the attention of Mr. C. J. Stromback, head-gardener at Lincoln Park, Chicago, and he was requested to try it. The claims for the article were so broad that he had but little faith in it and was with difficulty induced to devote time to the experiments. He finally did so, however, and has been amazed by the results. He is convinced that Mr. Kraft has discovered a really remarkable insecticide. He has given the following letter to the manufacturers:

Chicago, April 25, 1898.

Kraft Plant Tonic Co., Rockford, Ill.

Gentlemen:—I wish to inform you that for the past three months I have given your plant tonic a thorough test on different kinds of plants, infested with Aphis of various species. I find its process in killing insects is slow, but effectual and perfectly harmless to plants when used carefully. For hard shelled Scale on Palms and Sword Ferns, I used one-half solution and half water with satisfactory results. I used it on Orchids for the little White Scale, so well known among Orchid Growers; two ounces of solution to a quart of water applied with a sponge, killed the Scale in about forty-eight hours without hurting a leaf.

The little brown Mite that attacks the Harrisii Lily Bulbs and which makes such a wholesale slaughter among these beautiful plants, I find one-half solution, half water, poured into the bulbs kills the insects in about ten hours, without any danger to the plants.

To kill Mealy Bugs, the solution is best applied with a spray so that you can pierce the dry web that encases the bugs; half a pint of solution to one gallon of water is what I used with success on Coleus and other different plants.

To destroy worms in pot plants, also Wire Worm, I used half a pint solution to one gallon of water which killed the worm in about twenty-four hours without injury to the plants.

Gentlemen, I am perfectly satisfied with your preparation and I wish it every success.

A. J. SMITH, Ass't Gardener.

The statement as above set down by my assistant, A. J. Smith, is correct, as I have been watching the progress of the experiments with Mr. Kraft's Plant Tonic with interest. We have been experimenting with the same and I shall after this have the same on hand in our place.

Congratulating you in your success to get some remedy to help us in our troubles to destroy our pests, I remain,

Yours Respectfully,

C. J. STROMBACK, Head Gardener.

BALTIMORE.

Trade Unsettled.

Trade for the past few weeks has been in a very unsettled condition, and at present writing there is little or no outlook for its improvement. Transient trade and funeral work are at present about all our retailers have to depend on, as decorations are very scarce and weddings this month are a curiosity. Stock is plentiful, though not quite up to the standard in quality on account of unfavorable weather conditions.

The department stores are making a bold strike in bedding stuff. In our daily papers are seen flaring advertisements offering dazzling bargains in geraniums, coleus, etc., at "one-third" the prices usually asked by the legitimate trade.

To the uninitiated such startling inducements as "two, three and five cents per plant" are sufficient guaran-

tee; yet nine chances out of ten they do not get their money's worth even then. The public is thus given a wrong impression, however, which cannot help being detrimental to the regular trade.

Those Baltimore Street Cars.

It is indeed very lamentable, that our Buffalo caller, during his recent visit to this city, saw nothing that met with his commendation or approbation. Yet, it is not to be wondered at, when one takes into consideration Mr. W. S.'s actual experiences, as cited by him in the last issue of The Review. The rate of speed which this gentleman traveled from Philadelphia to Baltimore—some ninety odd miles in one hour — (a typographical error made this read 1 hour when it should have read 2 hours. Ed.) was for even such a swift man, a record breaker; and in itself, was sufficient to give our worthy friend his attack of acute indigestion and seasickness, not to even speak of the Eutaw House breakfast.

After taking into consideration his deplorable condition of "congested liver," one cannot blame him for feeling homesick when he saw the hack and cab drivers at Union Station. We therefore extend our sincere sympathy and heartily forgive him for his misplaced words of maledictions against one of the best equipped street car services in the United States.

As to our florists, the majority are "huddled together" on the principal streets simply because experience has taught them where the most business is to be done. If our northern friend would like to try his hand at opening up a "real modern store (as he terms it) in the residence district," I feel confident the craft of Baltimore will admire his nerve and should he starve to death will attend his funeral in a body. It would be well, however, to profit by his advice given our Mr. Sands, "to embark into business in another market." We sincerely hope that long ere this our genial friend has met several more of his "sixteen-year-old somethings" and is quite himself again.

There are several firms in town who would be pleased to furnish boutonnieres to the army at contract prices. In answering, please mention The Review. C. F. F.

BUFFALO.

New Store Windows.

The new store windows have been about the most exciting events in the florist line of late. Adams, Anderson and Scott have at last got settled down and are making a good show. In fact some of them, with their burlap walls, steel ceilings and fine windows, will be sure to induce others to be extravagant. Elegance and taste seem to be the accompaniment of a modern flower store. Why not? It is just the proper thing to associate with such dainty things as buds and blossoms. Hemlock boards to stand your palms on in a store won't do any more.

Plant Business.

The cold nights and much dull weather keep the plant trade back. Even this morning as I write (6 a. m., May 17), the grass in low places is frozen stiff. Market people are complaining, but it must come soon. With greenhouse men it usually comes all at once. Good, heavy buyers have learned that it is unsafe to plant tender stuff before the first of June, and then they all want it on the same day. Human nature, of course, but it has long since made us bald.

A Fire.

There was quite an extensive fire on Sunday morning, corner Mohawk and Washington streets. The Buffalo Cut Flower Exchange was in the building and Wm. Kasting's busy place is a few doors north, but he was entirely away from it, while G. L. Pickleman & Co. (the cut flower exchange) have lost most everything. I cannot at this moment say, but doubtless fully insured.

Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

Clear Cypress Building Material

is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

Write for Circulars or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

WANT ADVERTISEMENTS.

FOR RENT—For greenhouse purposes, 32,700 feet on Michigan Avenue. Long lease and low rental. Room 922, 184 La Salle Street, Chicago.

SITUATION WANTED—As private gardener, by thoroughly competent man with the highest references from last employer and others. Removal of employer only reason for change. Address K. X., care Florists' Review.

SITUATION WANTED- As head gardener in private place or public institution. English, 52, widower (one daughter, 25). Thorough horticulturist, fruits, flowers, vegetables, landscape and ornamental work; 4½ years in Golden Gate Park, one year head gardener in present place. Best of references. Address, stating wages, etc., G. M. Stratton, Dungeness, Cumberland Island, Fernandina, Fla.

SITUATION WANTED- As propogator of general greenhouse stock, by a florist that is a good worker and strictly temperate. Good references. Address F. A., care Florists' Review.

FOR SALE—Six greenhouses, about 14,000 feet of glass; well stocked; wholesale and retail town of 4,000; no competition; less than 100 miles from Chicago; two railroads; good seed trade. For particulars address A, care Florists' Review.

WANTED—No. 1 grower of cut flowers; would like an expert on fancy carnations; good steady place for the right man. Address H. H., care Florists' Review.

SITUATION WANTED—A young man, 20 years old, desires position in cut flower store or greenhouses; has six years experience; good maker-up; best of reference, also security. Address H. C. H., care of Florists' Review.

WANTED—A good rose grower. Also a good man for orchids, ferns and palms, for commercial place. Address Minnesota, care of Florists' Review.

SITUATION WANTED—By an A1 grower of general greenhouse stock. Am 30 years old and single. If in need of a good man and are willing to pay fair wages, address M. K., care Florists' Review.

SITUATION WANTED—By an experienced gardener in landscape, nursery or pot flower cultivation; 25 years' experience. Only those willing to pay fair wages need reply. Address H. C., Florists' Review.

SITUATION WANTED—As foreman, good grower, single, age 30. Address N. T., Florists' Review.

FOR SALE—Four greenhouses, nearly new. Splendid retail stand in residence district on paved street leading to cemetery. Easy terms. Must retire on account of health. A. Claus, 501 N. 4th St., Springfield, Ill.

WANTED—By the 15th of June, a first-class all 'round florist to take charge of plant of 8,000 feet of glass. None but steady reliable man need apply. References. Wages $50 per month. Address X, care Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

To Rent! Eight greenhouses, all well stocked. 20,000 carnations planted out. Best place ever offered. All private trade.

MAX KRUSCHKA,
Lawrence, L. I., N. Y.

GLASS FOR SALE.

I offer a large quantity of second hand greenhouse glass, mostly 12x16 and 16x24, single thick. Also, **40-Horse Power EXETER STEAM BOILER.** Price reasonable. Call and inspect.

JAMES D. RAYNOLDS, Riverside, Ill.

Decoration Flowers

...IN ABUNDANCE...

We will have Large Stock of All Best Varieties

Roses, Carnations, Lilies, Lilac, Tulips, Narcissus, Valley, Pansies, Marguerites, Mignonette, Sweet Peas, Paeonias, Gladioli, Asparagus, Smilax, Adiantum, Common Fern, etc., etc. GIVE US YOUR ORDER EARLY.

FLORISTS HAVING A SURPLUS OF STOCK CONSIGN SAME TO US.

VAUGHAN, McKELLAR & WINTERSON

45, 47, 49 Wabash Avenue, CHICAGO.

FOND DU LAC, WIS.

E. Haentze, of this place, controls one of the largest greenhouse plants in the state. He began operations here some 33 years ago, and by constant attention and in keeping up to the requirements of his improving trade has built up a large and lucrative business. His products are shipped all over the state and Northern Michigan. In addition to growing cut flowers, he also makes a specialty of growing plants and small fruits. He also has been very successful in growing seeds for the jobbing trade. Mr. Haentze is an enthusiastic member of the S. A. F. He is ably assisted by his three sons in the management of his large establishment. C. C. P.

HAIL NOTES.

The greenhouses of the Junction City Floral Co., of Junction City, Kansas, and of Wm. P. Ransom, of the same town, and those of A. B. Davis & Son, of Purcellville, Va., were struck by hail on the 11th inst. All were insured in the Florists' Hail Association.

MANCHESTER, N. H.—A. G. Hood has lengthened all his houses some 30 feet each to accommodate the capital stock he produces and intends adding yet more, the demand exceeding the supply, which is congratulatory.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

10,000 COLEUS

	Per 100.	Per 1,000
Golden Bedder	75c	$6.00
Verschaffeltii	60c	5.00
Mixed Coleus, 10 varieties	60c	5.00
Alternanthera, P. Major, 2½-in. pots		1.50
Smilax, 2-in. pots		1.50
Perle Roses, 2½-in. pots		2.50
Bridesmaid, 2½ "		2.50
500 Jubilee Carnations, 3-in		5.00

100 Water Lilies, 1 and 2 years' old.
Nymphæa Dentata, 25c each.

CASH WITH ORDER.

ROSCOE SAUNDERS, Aurora, Ill.

KINSMAN QUEEN MUSKMELON

Should be tested by every seedsman this season. **Trial packets free.** To Market Gardeners, ¼ lb., 50c; ½ lb., 75c; 1 lb. or more, $1.25 per lb.
Cash with order. Seed postpaid.

This is the earliest, best in quality and the most productive Muskmelon ever introduced. TRY IT.

SPECIAL CIRCULARS FREE.

FRANK BANNING, SEEDSMAN and FLORIST, KINSMAN, OHIO.

NOTICE!

We have Named Our **NEW CANNAS**

No. 47, The Maine No. 48, Admiral Dewey
No. 49, Manila No. 50, Admiral Sampson
No. 51, Havana

A. BLANC & CO., Philadelphia, Pa.



Water Lilies and Aquatics

We make a specialty of these favorites and our collection in both hardy and tender sorts is unsurpassed. Our list includes novelties in.....

Nymphaeas Nelumbiums and Victorias

Selections made and estimates furnished for stocking large or small ponds, etc.

HENRY A. DREER, - - - PHILADELPHIA.



Send to THE MOON Company

For Your { Trees, Shrubs, Vines, and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO., Morrisville, Pa.

NEW AND SECOND-HAND MATERIAL

purchased from Sheriff, Receiver, and Assignee sales at less than one-half prices. Pipe and Fittings, Hose, Florists' Wire, Hot Water Heaters, Greenhouse Boilers and Engines, Rope, Light Wrought Iron Pipe, Glass Sash, and thousands of other articles, for sale by

CHICAGO HOUSE WRECKING CO.

Largest Mail Order Depot for New and Second-Hand Material in the World.

W. 35TH & IRON STS., CHICAGO.

Write for our free illustrated catalogues.

Mention The Florists' Review when writing advertisers.

WASHINGTON.

Government Competition.

The Superintendent of Public Buildings and Grounds has never denied that he has and continues to loan government plants for private receptions and other purposes, while those in charge of the Botanical Gardens, when confronted with the fact that their wagon was followed from the gardens to a private residence in the northwest section of the city, explained that they were returning plants that had been left with them for hospital purposes. Here is still another abuse of that institution, Government greenhouses being used by private individuals and the service of government employes in growing these plants from a state of collapse into health again and returned after weeks of treatment to the owner at the government expense.

Now, we come to the Department of Agriculture. This department has always contended that no plants were ever allowed to go out for private purposes, yet only a few days back a prominent governor of a northern state, upon a visit to this city, was tendered a reception and dinner by a senator from the same state at a well known hotel, at which all the plants, with the exception of a few ordered from an uptown florist to fill up gaps, came from that department. With such powerful competition, where does the commercial florist come in?

A Patriotic Decoration.

At a dinner given in honor of Judge Day recently a feature of the decoration was a floral ship representing the Ship of State. The design was eight feet long and four feet high, made in pink. The body was made of pink carnations, railing of white roses and gun ports chenille. The table was adorned with rare vases and pieces of bric-a-brac filled with cut flowers and about twenty favors filled with sweet peas, etc. The favors were in many styles, stars, crescents, etc., intended for souvenirs to be taken away.

There were used 800 long-stem pink roses, American Beauties and Bridesmaids, and as many carnations, with several wagon loads of Farleyense and miscellaneous ferns, etc.

Business at a Standstill.

The weather the past week reminded us of a northeaster in February rather than May with a cold rain; thermometer below 40 degrees.

Business is at a stand still, even the market men, with their plant trade, report no business. It has been too wet and cold for planting and until good weather comes they see no business ahead. W. H. K.

WHENEVER you need any trade supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

Grand de Flora (Double Cape) JASMINE.

Select Buds, 18-inch Stems, $10.00 per 1000.

CAN SUPPLY ANY QUANTITY.
Headquarters and distributing point from the largest Jasmine growers in the world.
SEND YOUR ORDERS IN EARLY FOR DECORATION DAY.
Cash or satisfactory references with order.

G. A. KUEHN,
1122 Pine Street, ST. LOUIS, MO.

CAN'T MOVE ON CUBA
TILL OUR STOCK IS SOLD.

ROOTED CUTTINGS.	Per 1,000.	Per 100
Vincas, variegated	$10.00	$1.25
Rex Begonia	17.50	2.00
Mrs. Pollock and Mt. of Snow	15.00	2.00
Geraniums, Double Giant, LaFavorite	12.50	1.50
Geraniums, mixed	10.00	1.25
Md. Salleroi	10.00	1.25
Abutilon Sou de Bon	15.00	2.00
Impatiens Sultani	17.50	2.00
Lemon Verbena	12.50	1.50
Fuchsia, Trailing Queen	12.50	1.50
Marguerite, Giant Pearl	15.00	2.00
Alyssum, Double Giant	8.00	1.00
Coleus, fancy	8.00	1.00
Coleus, separate colors	6.00	.75
Coleus, mixed	5.00	.60
Heliotrope	10.00	1.25
Lobelia	10.00	1.25
Vernon Begonia	10.00	1.25
Asters, transplanted	10.00	1.25
Alternanthera, red	5.00	.60
Golden Pyrethrum	9.00	1.00
Orders of 1,000 assorted Rooted Cuttings at 1,000 rates.		
Vincas, variegated, 2¼-inch pots	20.00	2.50
Vincas, " 3 "	35.00	4.00
Vincas, " 3½ "	50.00	6.00
Vincas, " 4 "		10.00
Trailing Queen Fuchsias, 2¼-inch pots		4.00
Coleus, Md. Salleroi 2¼ "		2.00
Impatiens Sultani 2¼ "		3.00
Centaurea Candidissima 2¼ "		3.00
Centaurea Gymnocarpa 2¼ "		2.00
Lobelia, white stock 2½ "		2.00
Petunias, double 2¼ "		4.00
Petunias, single fringed 2¼ "		3.00
Geraniums, mixed 2¼ "	$2.00 to	3.00
Alternanthera, red 2 "		2.00

TERMS CASH OR C. O. D.
GREENE & UNDERHILL, WATERTOWN, N. Y.

Mrs. Robt. Garrett

New Pink Forcing Rose.

Winner of six certificates, medal and silver cup. $3.50 per doz.; $25 per 100.

A Fine Stock of Young Chrysanthemums and Carnations.

Send for Trade List describing above in detail.

H. WEBER & SONS, -- OAKLAND, MD.

CHRYSANTHEMUMS
ROSES
CARNATIONS
BOSTON FERN
DRACAENA TERMINALIS
LANTANAS
SALVIA
SMILAX
ASPARAGUS
CALADIUMS
BEGONIA
SWAINSONA

See our special offer of above on page 963 of this issue of the Review.

E. G. HILL & CO.
RICHMOND, IND.

3200 VINCA

MAJOR VAR.

From 2½-inch pots.....$2.50 per 100.

Two thoroughbred male **ANGORA KITTENS**, 8 weeks' old, maltese and gray and maltese and white, $7.50 each. A good adv. for well-kept greenhouse.

Williams & Crittenden,
WATERLOO, IOWA.

Mention The Florists' Review when writing advertisers.

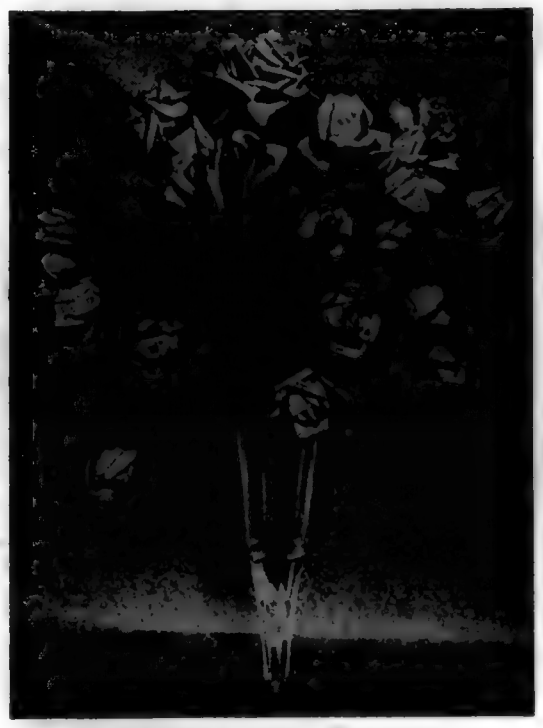
Decoration Day Flowers

BUY YOUR STOCK DIRECT FROM THE GROWERS.

We are now cutting from **Five to Ten Thousand Tea Roses** and **Two Thousand Beauties** per day, besides a large amount of **Carnations, Smilax, Asparagus and various other Florists' Stock.**

We have a very fine lot of fancy common ferns and green galax leaves just received.

Don't fail to write for our **Decoration Day Price List** which will be issued on Friday, the 20th inst. We will ship when possible direct from our greenhouses at Hinsdale, thereby saving the rehandling of the flowers.



Address all orders to

Bassett & Washburn.

Send orders now for Decoration Day Sales.

You want this for Decoration Day!

VASE FOR THE CEMETERY.

THE

Clara Cemetery Vase

Patent Applied for by Mrs. C. W. Pike.

A RECEPTACLE FOR FLOWERS, LONG NEEDED FOR THE CEMETERY.

THE **CLARA VASE** for use at the Cemetery is a handsome as well as one of the most useful articles ever placed on the market. It is absolutely a new thing and takes the place of all the old tin cans, bottles and various old truck that are usually found in the cemetery for holding flowers, and prove such a disgrace where everything else is beautiful and ornamental. It is composed of solid glass and stands about twelve inches high. The lower end is sharp-pointed so it can be embedded about six inches in the ground and stand firm. It will hold sufficient water to keep the flowers fresh and sweet, and will accommodate flowers with long as well as short stems. The VASE is bell shaped and the top has a diameter of about five inches.

The VASE is sold at a very low price and is within the reach of all classes. It is very strong and well made and can not be broken by rough handling.

Prices, delivered to railroad or express companies in Chicago:

One Dozen, - - -	**$3.50**
Three Dozen, at - -	**3.25**
Five Dozen, at - -	**3.00**

Samples sent on receipt of fifty cents (50c.) each.

These VASES will retail in the market for from 50c. to 75c. each, thereby giving the dealer a profit of over a hundred per cent. on his investment.

ROSE Plants

We have an extra selected stock of the following Rose Plants. Will guarantee them to be as fine as any grown.

		Per 100.	Per 1,000
American Beauty	2½-inch pot,	$5.00	$50.00
Brides	2½ "	3.00	25.00
Bridesmaids	2½ "	3.00	25.00
President Carnot	2½ "	3.50	35.00

Bassett & Washburn

Growers of and Wholesale Dealers in **Cut Flowers,**

Greenhouses and Residence,
HINSDALE, ILL.

Store, 88 Wabash Avenue, CHICAGO.

Do You Plant American Beauties?

1500 3-inch at $5 per 100.

Not cullings but strictly A No. 1 strong, clean, well grown stock, and guaranteed free of all disease.

A. DONAGHUE, 109 S. 16th St., Omaha, Neb.

CANNAS Nicely started. Mme. Crozy, P. Marquant, L. E. Bally, Florence Vaughan, etc., 30c. per doz.; $2 per 100. Pot plants, 4-in., $8 per 100.

BEGONIA Thurstonii, B. Argenteaguttata, etc., 2-in., $2; 2½-in., $2.50 per 100.

PANSY PLANTS Bud and bloom, $1 per 100; $8 per 1000.

A. J. BALDWIN, Newark, O.

VEGETABLE PLANTS

Tomato, Cabbage, Lettuce, Celery and **Sweet Potato,** 15c per 100; $1 per 1000.
Pepper and **Egg Plants,** 25c per 100; $2 per 1000.
Cauliflower Snowball, 35c per 100; $2.50 per 1000
All plants by mail, 10c per 100 extra. Price list for large quantities. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.



REINBERG BROS.

51 Wabash Ave., CHICAGO.

WHOLESALE GROWERS OF **Cut Flowers**

600,000 Feet of Glass. We can fill all orders on short notice with all leading varieties of Roses and Carnations. **We are Headquarters for Fine American Beauties.** Give us a trial and convince yourself.

Plants and Cuttings sent by Express at plant rates (30 per cent. less than merchandise rates.)

ROSE PLANTS.

Out of 2½-inch Pots.	Per 100	Per 1000
American Beauties	$5.00	$45.00
Meteor	2.50	22.50
Bride	2.50	22.50
Testout	2.50	22.50
Belle Siebrecht	2.50	22.50
Perle	2.50	22.50
Pres. Carnot	2.50	22.50
Kaiserin	2.50	22.50
Bridesmaid	2.50	20.00
La France	2.50	20.00

CARNATIONS FROM SAND.

	Per 100	Per 1000
Flora Hill	$3.00	$25.00
Goldfinch	1.50	12.50
Bridesmaid	1.50	12.50
Wm. Scott	1.00	7.50
McGowan	1.00	7.50
Emma Wocher	1.00	7.50

No more Rooted Rose Cuttings left.

KEENE, N. H.

Ellis Bros. adopt a plan to carry several thousand tulips for Decoration Day, when they are in good demand at 75 cents per dozen. When received the bulbs are planted in flats and set away in a cold cellar into which frost penetrates. They are kept there until about one week before May 30. La Candeur does remarkably well treated in this manner. I noted some elegant plants of Begonia metallica which reminds me of a picture I saw of one grown by Mr. Doughty, gardener to J. E. Hubinger, Esq., of New Haven, as a wall plant in a greenhouse. It was about 10 feet tall by 15 feet through.

The Messrs. Ellis raise capital stock in their well equipped plant of 25,000 feet of glass devoted solely to retail trade. A fine bed of the indispensable heliotrope for design work is worthy of special mention. W. M.

SHEBOYGAN, WIS.

J. E. Mathewson, florist, seedsman and nurseryman, of this place, is always up to date in the requirements of the trade. His greenhouses are well stocked with plants of all varieties suitable to his locality. For Easter trade his specialties were cinerarias and Harrisii plants, of which in the latter he has been very successful this season, having grown a large quantity, with apparently no loss on account of diseased bulbs.

Mr. M. controls a down-town store well fitted up for the seed trade, in which he reports a large trade this spring. Mr. Mathewson received the contract for the improvement of one of the largest parks, which will require the setting out of numerous trees. He is a native of Scotland and a gardener from the old school. C. C. P.

PULLMAN, ILL.—Hans Tobler has recently gone to Traverse City, Mich., where he will have charge of the greenhouses at the Michigan Insane Asylum.

ROSLYN, PA.—Mr. A. Farenwald, formerly of Wyncote, Pa., has recently started in business for himself at this place.

....NEW....

Wholesale Cut Flower Store!

J. A. BUDLONG, Wholesale Grower of Cut Flowers, 37-39 Randolph St., CHICAGO.

Open for Business We have decided to dispose of our own production, and will be in a position to fill orders with A No. 1 stock. Give us a trial. Also have a large quantity of nice rose plants which we offer as follows:

	Per 100	Per 1000		Per 100	Per 1000
American Beauties	$5.00	$40.00	Meteor	$3.00	$25.00
Brides	3.00	25.00	Kaiserin	3.00	25.00
Bridesmaids	3.00	25.00	Perle	3.00	25.00

This stock is guaranteed to be first-class in every respect. Nothing but first-class sent out. **Terms, cash with order.**

J. A. BUDLONG, 37-39 Randolph St., CHICAGO.

W. E. LYNCH,

...Wholesale Florist...

The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices

19-21 Randolph St., CHICAGO.

A. L. RANDALL

Telephone 1496 Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.

Full Line of Wire Designs and Florists' Supplies

S. B. WINTER

Successor to Winter & Glover

Write for Illustrated Catalogue.

21 Randolph St. CHICAGO.

HIGH GRADE **Cut Flowers**

Properly Packed and Promptly Forwarded.

HOLTON & HUNKEL CO.

Wholesale Florists & Florists' Supplies.

Wire Designs Our own make.

Phone 874. P. O. Box 103.

457 Milwaukee St., Milwaukee, Wis.

A. G. Prince & Company

Telephone .....Main 3208

Agents for..... HINSDALE ROSE CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES

88 and 90 Wabash Ave., - Chicago

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET
ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

CHAS. RAYNER,

ANCHORAGE, KY.,

Specialist for **American Beauties, Meteors, Maids and Brides.** Cut Flowers.

Shipping facilities and stock unexcelled.

Lowest Market Prices. Write for quotations on large orders.

KENNICOTT BROS. CO.



WHOLESALE CUT FLOWERS

AND FLORISTS' SUPPLIES

88 WABASH AVENUE, CHICAGO, ILL.

LONG DISTANCE TELEPHONE EXPRESS 466

ROOMS 22 AND 23

Longiflorum Lilies (Specially grown for Decoration Day.....)

$1.00 per dozen, $7.00 per 100.

Specialties for Decoration Day

Cape Jasmines, Pæonies, Poets' Narcissus, Gladiolus and All Seasonable Flowers.

SEND ORDERS EARLY.

Don't forget that we handle Roses and Carnations in quality and quantity.

HERR'S

Experiences .....WITH Carnations

READY NOW.
Send for them—they are sent free.

HERR'S SMILAX
$5.00 per 1000; 75 cents per 100.
Samples, Ten Cents.

ALBERT M. HERR
LANCASTER, PA.

Miserable .. Carnations

are plentiful enough, but WE have varieties that will produce the.....

FINEST OF BLOOMS.

Send for our list and see kinds and prices for yourself.

Geo. Hancock & Son, Grand Haven, Mich.



WHAT IS IT?

See last week's REVIEW.

THE COTTAGE GARDENS,

QUEENS, L. I., N. Y.

...WHOLESALE FLORISTS...

SPECIALTIES:
Carnations, Geraniums, Cannas, Chrysanthemums, Kentias, Nephrolepis Cordata Compacta, Bostoniensis, Etc.

Chrysanthemum Frank Hardy

Clearance Offer—Only 1000 Left
$2 per 12; $10 per 100. Not less than 50 at 100 rate. Cash with order.

A. HERRINGTON, FLORHAM FARMS, MADISON, N. J.

CARNATIONS

WE STILL HAVE some varieties from pots and flats, ready to plant in the field.

FIELD GROWN PLANTS, of all popular varieties, ready in the fall.

F. Dorner & Sons Co., La Fayette, Ind.

INSURE AGAINST FIRE IN THE

Florists' Mutual Fire..... Insurance Association

Address W. J. VESEY, Sec'y,
Fort Wayne, Ind.

HERE WE ARE FOR FOUR WEEKS!
FIRST COME, FIRST SERVED!

Fuchsias in assorted varieties. Double, 2-in., $3.00 per 100; Single, 2-in., $2.50 per 100.			
Hibiscus in assortment. Single and Double, 2½-in., $3.00 per 100; 3-in., $5.00 per 100.			
Jessimines, Grandiflora...	2½-in.,	$3.00 per 100	
" Grand Duke...	4-in.,	8.00	"
" Maid of Orleans,	3-in.,	5.00	"
" " "	4-in.,	8.00	"
" Arabian.....	4-in.,	8.00	"
Rhynchospermum Jessminoides, 2-in., $3.00 per 100; in bloom,	4-in.,	$8.00	"
Smilax, good strong plants,	2-in....	2.00	"
2000 Moon Vines, strong plants,	2-in.....	3.50	"

NANZ & NEUNER, - - - Louisville, Ky.

WANTED - ROOTED DAYBREAK CUTTINGS.

Address K, care of Florists' Publishing Co.

CINCINNATI.

Cincinnati Florists' Society.

The regular monthly meeting of the Cincinnati Florists' Society was held last Saturday evening, with a fair attendance. Henry Wellmann was elected to membership in the society.

The banquet committee made their report through Henry Schwarz, who stated that all arrangements had been completed and that thus far only 37 had signified their desire to attend. All who wish to be present on this festive occasion should notify the committee in charge without delay. The banquet will take place at the club rooms on Wednesday evening, May 25th, at 8 p. m.

President Witterstaetter was authorized to procure suitable medals to be awarded to the winners in the exhibition contest. A vote of thanks was extended to the out-of-town brethern who have contributed so liberally to the success of these exhibitions during the past season.

The Exhibition.

The display of plants and cut flowers was equal to any previously given by the society, although the only exhibitors were A. Sunderbruch's Sons, City Greenhouses, and Henry Schwarz. The latter had a fine collection of coleus showing good color, while the others did their best to surpass each other in their respective displays.

A. Sunderbruch's Sons succeeded in being first, with 23 points to spare. Their display was an excellent one in every sense. They had a fine collection of cut stock, principally roses and carnations. Notable among their plants was a specimen of Santilobium cicutarium, also specimen plants of Pandanus Veitchii, Metrosideros semperflorens, Dracaena fragrans and D. indivisa. They also had a nice collection of ferns, among them some well grown Nephrolepis exaltata Bostoniensis. Among their blooming plants I noted some fine hydrangeas, which were greatly admired.

The City Greenhouses had a beautiful collection of orchids. Notable among them were Cattleya Caudatum, Odontoglossum citrosmum, and Cypripedium Lawrencianum, which proved quite an attraction. They also had a collection of fancy leaved caladiums, which made a beautiful display. Their calceolarias were well done and received their share of praise. B.

IF YOU want to buy you will find it to your advantage to buy of the advertisers in The Review. If you want to sell, you will find it to your advantage to advertise in The Review.

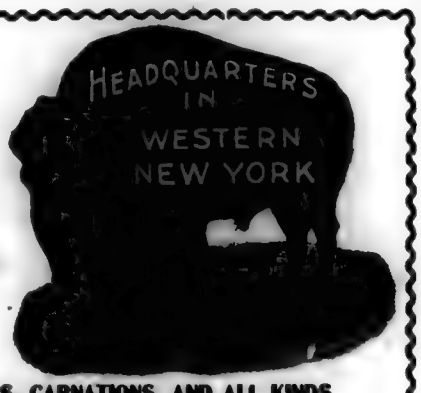
CRABB & HUNTER,
Violet and Carnation Specialists,
GRAND RAPIDS, MICH.

NOW is the time to buy Rooted Violet Runners. Marie Louise, Farquhar and Lady Hume Campbell, $1.00 per 100; $7.00 per 1000. In pots later. Write for prices.

Volunteers Wanted!
Room for a few desirable recruits in our army of satisfied customers. ENLIST AT ONCE BY SENDING US YOUR ORDER FOR
....CUT FLOWERS FOR DECORATION DAY....
E. C. AMLING,
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Rooted Cuttings of Carnation, McGowan, Silver Spray, Wm. Scott, Tidal Wave, Albertini and Rose Queen, $1 per 100; $8 per 1,000.

Geraniums, best bedding varieties, $1.50 per 100; $15 per 1,000.

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THE REGAN ... PRINTING HOUSE ...

Nursery Seed Florists' **Catalogues**

87-91 Plymouth Place, Chicago.

MADISON, N. J.

Club Notes.

Three more new members were proposed at the regular meeting on Wednesday night and there was a good attendance on hand, with a fine showing of flowering shrubs and hardy flowers.

The details of the monthly exhibitions having been worked out, the report of the committee was accepted as presented. The regular competition will commence with the June meeting. There are five classes arranged for. Roses and carnations, stove and greenhouse plants, and cut flowers; hardy perennial, bulbous and annual garden flowers; fruits and vegetables; wild flowers, ferns and grasses. A silver medal is the premier award in each class.

Mr. J. Davies read an excellent paper on the Gloxinia, of which there were some good plants on show at the meeting. He detailed the culture from the seedling up to the flowering, and claimed that if the plants were inured to more airy and less shaded conditions when the flowers began to expand it would be found they were much more enduring, and thus treated he had found them lasting and thoroughly satisfactory as house plants and to use as cut flowers, the blooms lasting for several days.

He deprecated overhead spraying at any time and was confident that this combined with high temperature and too much shade caused the leaf disease that sometimes troubled the grower and disfigured his plants. A free use of the hose between the pots and upon the benches was advisable, but healthy leaves could not be expected if frequently drenched with water.

MARSHALLTOWN, IOWA. — The greenhouses formerly called the Riverside Greenhouses and owned by Mr. Van Schaick, have been sold to F. H. Fenner and the name changed to The Marshalltown Floral Co. Mr. Fenner intends to make considerable improvements about the place and also add a small house for palms and ferns. He also will grow more roses than were formerly grown at this establishment.

YOU CAN BUY all your trade supplies to the very best advantage from advertisers in The Florists' Review, and at the same time advance the interests of your paper.

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	Per 100
Monthly Roses—C. Mermet and Isabella Sprunt	$2.00
Monthly Roses—Other varieties, fine stock	2.50
Hybrid Roses—Best varieties	3.00
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Pansies—In bud and bloom, $15.00 per 1,000	2.00
Pansies—Smaller plants.... 12.00 "	1.50
Coleus—Best kinds	2.50
Verbenas—Best kinds	2.00
Geraniums—Single Scarlet, $2.50; assorted, 2 and 3-inch	$3.00 to 4.00
Geraniums—Mt. of Snow and Rose Ger	3.00
Alternathera—Yellow, $2.00; Red	2.50
Dahlias—Dry roots, best varieties	5.00
Pelargoniums—Fred Dorner, 3-inch, $5.00; M. Thibaut, 4-inch	8.00
Pelargoniums—Friend, Victor and Jack, 3-in.	4.00
Gladiolus—Mixed kinds	1.25
Dracaena Indivisa—3 and 4 inch	$8.00 and 12.00
Cyperus Alt—Umbrella Plant, 3 and 4-inch	3.00
Sword Ferns—2½, 3 and 4-inch, $3.00, $4.00,	8.00
Vincas	$6.00 to 10.00
Fuchsias—Assorted	2.00 to 3.00
Swainsona—2 and 3-inch	3.00
Ampelopsis—Royalii and Veitchii, 2-inch	3.00
Clematis—Henryii and Jackmanii, 2 years, 25c each.	
Begonias—Metallica	$3.00 and 4.00
Farfugium Grande, 2½ and 3-inch	7.00
Genista Racemosos, 2 and 3-inch, $2.50 and	4.00
Cuphea—Platycentra, 2 and 3-in.,	2.00 and 3.00
Pineapple—3 and 4-inch, 25c each.	
Jasminum—Yellow, 3 and 4-inch	5.00
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Hibiscus, 3-inch	4.00
Ficus Elastica—4-inch, 30c each.	

Century Plants—1 large specimen, 8 feet high, $5.00; 2 large specimens, 4 feet high, $3.00 each.
Variegated Century Plants—3 large specimens, 4 feet high, $5.00 each.

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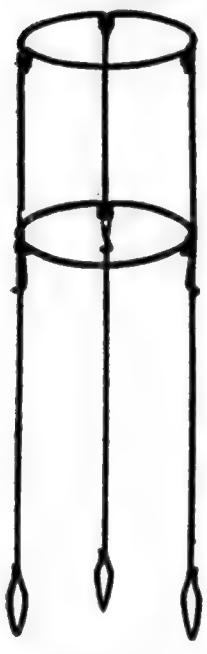
Fine Roses and Carnations...

are specialties with us. American Beauties a leader. We ourselves grow the stock we offer.

CUT FLOWERS

51 Wabash Avenue, CHICAGO.

The Model Extension Carnation Support



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MR. THERON PARKER. Brooklyn, N.Y. Dear Sir:—I have tested your latest Model Carnation Support, and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.
Very truly yours,
C. W. WARD.

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Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
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Yours truly, E. ASMUS.

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The Model Plant Stake Co.
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Latania Borbonica—3-inch, $10.00 per 100; 4-inch, 20c each; $16 per 100.
Kentia Belmoreana—4-inch, 40c; 5-inch, 75c; 6-inch, $2.00 each.
Kentia Forsteriana—5-inch, 60c; 6-inch, $1.00 each.
Cocos Weddeliana—3-inch, $20 per 100; 4-inch, $50 per 100.
Araucarias—60c, $1.00, $2.00 and up.
Ficus Elastica—From 25c to $1.00 and up.
Fine Specimen Plants of above in larger sizes at low prices.
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Spiraea Japonica—25c each.
Lilium Harrisii—25c and 50c each.
Hydrangeas—50c, 75c and $1.00, each.

Special low prices on all kinds of Bedding Plants. Terms Cash or satisfactory reference.

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50,000 SMILAX From Flats, by mail, 50c. per 100; $4 per 1000. From 2-in. pots, $1.50 per 100; $13 per 1000. **Geraniums,** from 2-in. pots, $2.25 per 100; $20 per 1000. Send for samples. Cash with the order.
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AMMONIA..... 5 per cent.
NITROGEN..... 4.15 "
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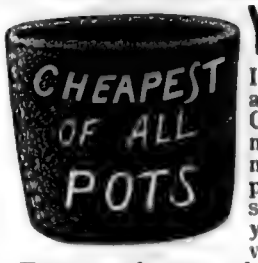
Pure Dried Blood,

AMMONIA.....16 per cent.
NITROGEN.....13.22 "

Write for Prices.

We also manufacture an ODORLESS LAWN FOOD

THE WALKER FERTILIZER CO.,
CLIFTON SPRINGS, N. Y.



YOU Will have missed Klondike.....

If you do not use economy and make your own pots. Cow manure pots can be made to-day, fit for use to-morrow. No expense. Especially recommended for sending plants and growing young stock. Greatest invention of cheap pots.

Every gardener needs a potting machine. Send 6 cents stamps for sample pot and price list.

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CANNAS $6.00 Per 100.

Strong Plants from 4-in. pots of the following varieties: Austria, Florence Vaughan, Mme. Crozy, Chas Henderson, Alphonse Bouvier, Paul Marquant, La Grande Rosea, red foliage.

CALCEOLARIA, Showers of Gold, **from 2-in. pots, $3.00 per 100.**

EVENDEN BROS., Williamsport, Pa.

KANSAS CITY, MO.

Terrific Hail Storm.

Last Saturday at 6:30 p. m. a hail storm, the most severe ever seen in this part of the country, destroyed all of the greenhouses in Kansas City. They were simply "Deweyized," and instead of the "Spanish" gone, the greenhouses are gone. "Heaven protect what are left," for such a storm as we had is beyond description. Also thousands of lights throughout the town were broken. S.

A terrific hailstorm visited this city on Saturday, May 14, about 6:30 p. m., which caused great destruction to everything in its path. All the greenhouses in the city and vicinity suffered terribly from its destructive force. The Humfeld Floral Co. lost no less than twenty thousand square feet of glass. Nearly all the other florists lost in proportion to the size of their place, and no correct estimate can be given of the losses at this early date.

Besides from hail and broken glass, the stock suffered much from the heavy rain which fell immediately after the hailstorm. Some of the florists say they will not rebuild.

The average size of the hailstones was from eight to nine inches in circumference and some weighing 8½ to 9 ounces. Trees, shrubs and spring plants just out suffered much.

Slate roofs were broken and pieces sent flying in all directions; skylights varying from one-fourth to one-half inch in thickness were broken like so much single strength glass.

E. A. B.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The past week has been uneventful. More flowers were on the market than during the preceding week and the demand was slightly improved, not sufficient, however, to effect any advance in prices. On the contrary price on some things weakened considerably. Sweet peas are plentiful, and price is on the decline. "Old Red" paeonias are coming in quite freely from southern points, and while prices realized are below those of former years they are selling fairly well.

The call for choice Beauties has somewhat improved and strictly fine Brides, Maids and Meteors bring a fair figure. The warm weather, however, is making its presence known in the constantly decreasing size of both rose and carnation blooms.

In carnations, whites are not overabundant, the pinks plentiful and the reds while in no very heavy supply as to quantity are not wanted by the store trade. They are worked off by the street vender, otherwise 75 per cent of them would find their way to the dump.

On the whole the volume of business is ahead of a year ago, but the immense amount of flowers to be handled makes the condition seem bad.

Every indication points to an unusually large Decoration Day business. The supply will probably be good, except on white carnations.

NATIONAL FLORISTS' BOARD OF TRADE
CORNELIUS S. LODER, Secretary.
Collections, Credits, Etc.
271 Broadway, - - NEW YORK

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Our Prices are Low, considering the fine Quality of Stock supplied.
Send 10 cents for samples of your wants.

	Per 100.	Per 1000
Ageratum, Cope's Pet and Tapis Bleue, 2½-inch pots	$2.50	$20.00
Alternanthera, P. Major, Aurea Nana, Amabilis and Pittsburg (rooted cuttings)	1.00	7.50
Alternanthera, as above, 2½-in. pots	2.00	15.00
Alyssum, T. Thumb and Giant dbl, 2½-inch pots	2.50	20.00
Begonias, fine assortment, 3-inch pots	4.00	35.00
Begonias, Vernon, 2½-inch pots	3.50	30.00
Cannas, started, very strong, from 3 and 4 inch pots; Alphonse Bouvier, Chas. Henderson, and Mme. Crozy	3.50	30.00
Strong roots of above varieties	2.50	20.00

	Per 100.	Per 1000
Fuchsias, a fine assortment, 2½-inch pots	2.50	20.00
Geraniums, Bruant, Gen. Grant, La Favorite, etc., 3-inch pots	4.00	35.00
German Ivy, 2½-inch pots	2.00	15.00
Heliotrope, blue, 2½-inch pots	2.50	20.00
" " 4 " "	6.00	50.00
" white, 2½ " "	3.00	25.00
Moon Vines (the true Colonyction), 2½-inch pots	4.00	35.00
Rooted cuttings	2.50	20.00
Salvia, Nana Erecta, or Bonfire (very strong), 2½-inch pots	2.50	20.00
Swainsona, Alba and Rosea (very strong), 2½-inch pots	4.00	30.00

Cannas—Fine assortment of leading varieties. Prices on application.

Cash with order from unknown customers or c. o. d.
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Wm. L. SWAN, Prop.
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Seawanhaka Greenhouses,
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The Harrisii Disease

can be prevented by immersing the bulbs
for ten hours in a half solution of.....

..Kraft's Plant Tonic.. 99%

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug,** and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

Kraft Plant Tonic Co., Rockford, Ill.

100,000 VERBENAS

THE CHOICEST VARIETIES IN CULTIVATION

Fine Pot Plants, $2.50 per 100; $20 per 1,000. Rooted Cuttings, 75c per 100; $6 per 1,000; $50 per 10,000

No Rust or Mildew.
Packed Light and.....
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

SEND FOR CIRCULAR.

J. L. DILLON, Bloomsburg, Pa.

Burpee's Seeds Grow

DUTCH BULBS!

For Next Fall Importation.
Ask for Copy of Catalogue.

L. C. Bobbink, Rutherford, N. J.

Do You Need.....

Young Rose Stock for Planting Out of 3-in. Pots?

A dollar more on the hundred is nothing if you get better stock. Send 50 cents or $1.00 in stamps for samples of what you want to

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Mention Florists' Review. PEKIN, ILL.

ARECA LUTESCENS, LARGE HEALTHY STOCK.

Plants.	In. pots.	In. high.		Each.
3	6	24 to 32,	very bushy	$1.00
3	7	32 to 36,	"	1.50
3	8	36 to 42,	"	2.00
3	8	42 to 48,	"	2.50
1	10	4 to 5 feet,	"	5.00

All measurements from top of pot.

JOSEPH HEACOCK, Wyncote, Pa. near Philadelphia.



Bedding Plants

WE STILL HAVE A NICE LOT OF..... BELLE SIEBRECHT ROSES IN 2½-INCH POTS WHICH WE WILL SELL CHEAP.

GERANIUMS, COLEUS, VINCAS, PANSIES, VERBENAS, ASTERS, GRAVE MYRTLE, ALTERNANTHERAS, ETC.

....SEND FOR PRICES TO ELLIS & POLLWORTH, Box 75, MILWAUKEE, WIS.



Correspondence Solicited

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JUST ARRIVED IN FINE CONDITION

CATTLEYA TRIANAE, C. LABIATA

Also Odontoglossum Crispum, Oncidium Varicosum Rogersii and Dendrobium Wardianum.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

SURPLUS STOCK OF

Geraniums—Heteranthe, Nutt, Mrs. E. G. Hill, Beaute de Poitevine, Glorie de France, La Favorite, Bailey (Bright Pink), and many others. All fine, strong and healthy, in bud and bloom, ready for market and bedding, from 3-in. pots, $4.50 per 100, $40.00 per 1,000. From 2 to 2½-in. pots. $2.50 per 100, $20.00 per 1,000.

Petunias, Double Mixed, 3-in. pots, per 100 $4.50

Alterantheras, P. Major, A. Nana, 2½-in. per 100 3.00

Dracaena Indivisa, 3-in. pots, per 100 .... 5.00

Fever Few (Little Gem) 3-in. pots, per 100. 3.50

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TORONTO.

Some of the finest funeral designs this city has seen were made up last week, the occasion being the funeral of an eminent lawyer and member of parliament. It is an ill wind that blows no one any good, and it was a fair wind for the design trade last week.

I omitted to mention the May meeting of the Horticultural Society in my last week's notice. It was very well attended, especially by the ladies. A paper written by Mr. A. H. Ewing on the "Flower Garden" was read by Mr. Thos. Manton. It paid particular attention to color combinations in planting the garden. Mr. Manton also gave ocular demonstration as to how to fill a hanging basket, and did it in his usual interesting style. Potting shed facilities were wanting, but Tom took off his coat to it, and made a first class job.

The Public School Chrysanthemum Show business was advanced a stage. A very pleasant and interesting meeting altogether.

Mr. F. G. Foster, of Hamilton, was present, but was unfortunately unable to speak through sickness. I am glad to say, however, that a day or two after he was able to converse freely, and was around visiting the boys.

This has been an ideal Spring, and everything is looking its loveliest now. The bedding out season will begin next week, and there is every probability that a much larger quantity of plants than usual will be put out. Prices are a little higher at present than last year, and I believe if nobody funks, they can be kept up and stocks can be cleaned out. Don't funk. E.

"CONSISTENCY."

Philadelphia, Pa., May 14, 1898.

G. L. Grant, Esq., Editor Florists' Review, 530 Caxton Bldg., Chicago, Ill.

Dear Sir:—We yesterday received an order for a ton of Jadoo Fibre to be delivered to Mr. A. Blanc, 48th and Walnut Sts., Philadelphia. When our carter arrived with it at Mr. Blanc's place his receipt was signed by Mr. Blanc and the carter was instructed to deliver the ton of Jadoo Fibre to Messrs. Robert Craig & Son, 49th and Market Sts., Philadelphia. These are the same gentlemen who could not find any virtue in "Jadoo," and it was too expensive for the grower to use. "Consistency, thou art a jewel!"

See page 919, American Florist, March 19, 1898.

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" " 2-inch "	4.00 "
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NEW HAVEN, CONN.

Flushed with the season's success, Smith T. Bradley is adding a house, 70x20, for carnations, and overflowing with patriotism, has planted in the center of his place a 50-foot flagstaff from which "Old Glory" will wave continually in striking contrast to Tidal Wave, which once flourished here, but has now floated away forever. A new wagon blossomed at Easter and added eclat to that festive season. It is a beauty and drawn by a fiery steed creates much attraction.

Spring, gentle spring, is upon us, and after our usual dose of sarsaparilla, with what pleasure we survey Nature as she bursts upon us in foliage and blossom, especially the delightful Magnolia soulangeana and conspicua, the fiery Pyrus japonica, Forsythia viridissima and suspensa, the numerous varieties of spiraea and other flowering shrubs, the cultivation of which we are glad to observe is on the increase.

Mr. J. E. Hubinger (J. Doughty, gardener) is adding a handsome conservatory. Hitchings has the contract and also for many other similar structures, so that whilst the business is not so brisk as we would like to see it at this season, there are those who do not fear damage of broken glass by the shot of the enemy.

Mr. Doughty has among the many well grown plants some pretty specimens of fuchsia Mrs. Marshall. A few such trained in various shapes are ever acceptable in a greenhouse. There are also some lovely forms in the newer kinds of Rex begonias.

W. M.

GRAND RAPIDS, MICH.

Business the past week has been flat, stale and unprofitable. The long delayed glut is on hand. Flower patrons are now more interested in war news than flowers. In carnations white seems to be scarce; other varieties plentiful.

There are some exceptionally fine hydrangeas in town, but as yet no one seems inclined to buy them. However, they will keep till Decoration Day, when we anticipate everything will go. Planting carnations in the field is about over and everyone praying for rain. The repotting, final handling and spreading out of spring stock is about finished, the decks are cleared for action and now all hands will receive orders to bombard every vase, hanging basket and box that comes within range. If high grade $1 a basket ammunition will not answer, then the 35-cent torepdo will certainly blow the order in. Whether the war has any effect on business or not is as yet a mere matter of opinion, but there is not a florist in this bailiwick but who predicts for himself the largest spring trade he ever experienced.

GEO. F. CRABB.

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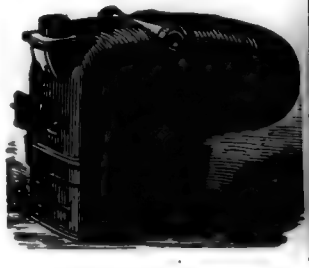
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1,000 Salvia Clara Bedman, 4-in	3.00 "

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HARTFORD, CONN.

Our friend Coombs has a touch of war scare and has dispelled, for the present anyhow, the plans he had on the board to make considerable additions to his fine plant. Don't be unnecessarily alarmed, Brother John, but let the good work proceed and make use of those healthy violet runners the writer saw at time of his visit.

Geo. S. Osborn intends experimenting with carnation Jubilee inside during the summer. He has a grand lot of Bradt, Daybreak, Scott, Triumph and Flora Hill, and is going to try to solve the problem of getting in crops when other growers are off. A handy palm house, 50x20 feet, has recently been added, heated with hot water (Hitchings). W. M.

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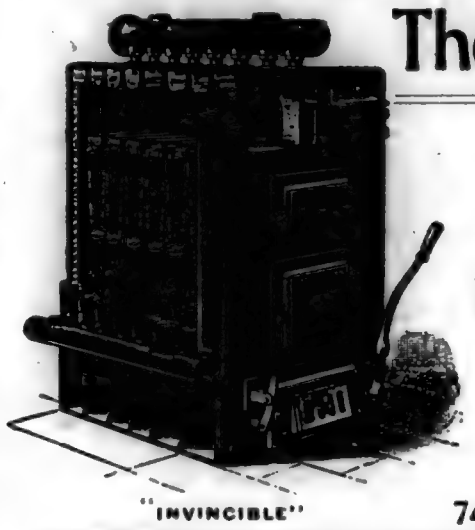
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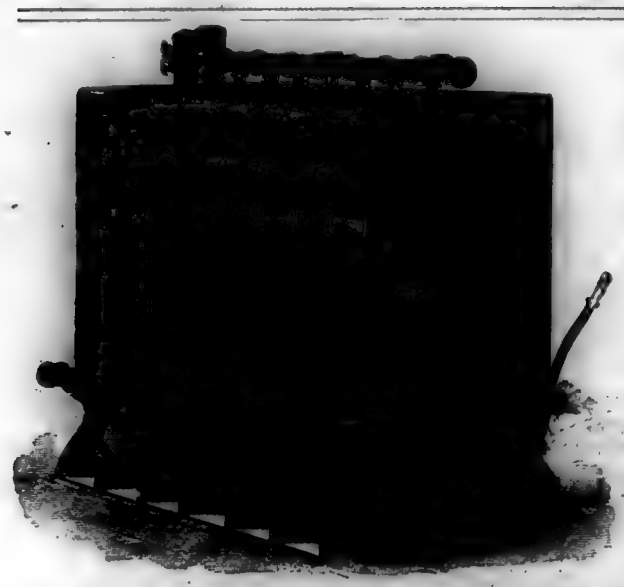
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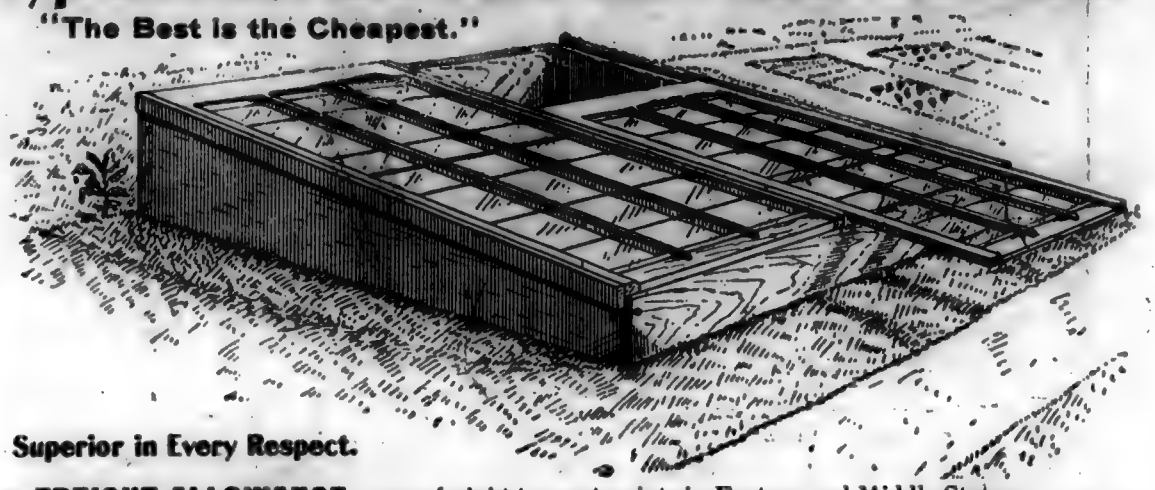
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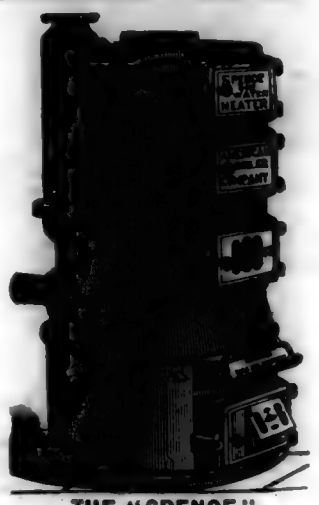
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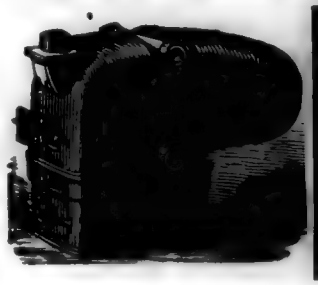
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FLORISTS' REVIEW

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Vol. 1. CHICAGO AND NEW YORK, MAY 26, 1898. No. 26.

EUPHORBIA COROLLATA.

This flowering spurge is found wild along the railroad banks and in dry open fields throughout Illinois and undoubtedly elsewhere. It is the only one of the six representatives of the family indigenous to Cook County that is worthy of cultivation. When brought into the garden and given but ordinary cultivation it furnishes one of the most useful cut flowers we have, as its staying qualities are excellent.

It might be termed an all-summer bloomer, especially if some of a planting be somewhat retarded by being placed in a partially shaded situation. Its flower stems rise about two and one-half feet. These generally send out at the top fine wiry branches, each of which again branches into three or more smaller stems, that once more send out dividing branches, each of which bears panicles of very small white flowers. The top whorl of one main stem must contain somewhere near 280 of these small white flowers, all held nearly clear of each other. At the base of these dividing stems are placed small light green leaves, which with the green furnished by the wiry stems, produce all of that color needed in decoration. Side branches, all divided, and panicled as above described, start from the main stem at intervals from the bottom up.

This flower can take the place of Stevia. It is perfectly hardy and not at all particular as to soil.

BELLEROPHON.



Euphorbia Corollata.

VIOLET NOTES.

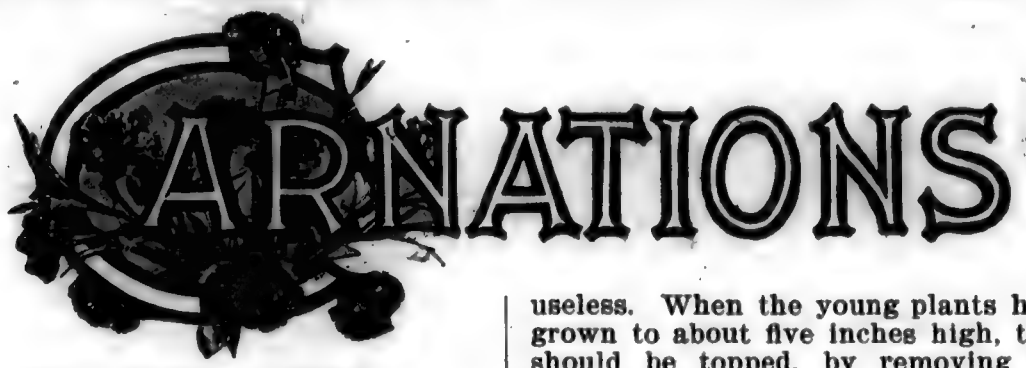
Our notes of late have been somewhat like our weather, "very uncertain." After numerous delays we have at last succeeded in "dodging the drops" and have put out part of our stock. It is very difficult to get them out properly, as it rains so much the ground is not in a fit condition to work, and in three or four hours, the heavy winds which accompany the clear weather make it too dry on the surface. However, we are pushing matters at every opportunity now and hope to have finished the work in a few days.

Then we shall commence to run the hand cultivator at once. Do not delay this, as the weed seeds start very rapidly, and if neglected for only a short time, will be too well established to be entirely destroyed by the cultivator, and the consequence is hand work must be done which is both tedious and expensive. Extra care must be used at first in running the cultivator that the plants are not disturbed in any way, until they get established with a firm hold on the soil; when established you may run quite close.

Our notes will probably be irregular for some time to come, as the principal thing for the violet grower should now be for weeks to come to thoroughly cultivate them and commence and go over the patch again, then examine it, and again grasp the cultivator and proceed

to "do it" again, and to keep at this with very little interruption through the whole season. A few days' carelessness and inattention at any time will allow them to get such a start that you can hardly catch up again during the season, and besides does much harm.

In reference to the stock for experiment, which we mentioned in our last notes, it is really amusing to see the difference in the prices, and what constitutes "rooted runners" with different growers. I am not sure but that a conference of violet growers would be of value if they would agree on some of these things, so that one would really know what they were going to get when ordering by mail. R. E. S.



FIELDWORK—TOPPING.

If we would allow our plants to grow at will in the field, the result in the case of free blooming varieties would in a short time be a stem and flower, without showing much tendency to branch and lay the foundation for a bushy, branching plant. It would do this, too, after the first flower is developed, but to let it bloom would retard the development of the plant to the desired form and size for work when housed again in the fall.

The detached cutting is a part of a matured plant, ready to bloom, and this tendency to bloom, interrupted by the process of rooting and the formation of a new plant, is again evident as soon as the new plant is able to perform the function of assimilating food; in other words, when in a growing condition. This process of growing to size is very much retarded when the young plant is allowed to bloom. It is a check to its growth. All the strength it possesses and all the food it is able to absorb from the soil is used and centered in the effort to produce and mature that flower, and all other growth, the branching out to a larger plant, is stopped, until that effort of maturing the bloom and ripening the seed are accomplished.

This is common with all free and continuous blooming varieties. True, there is not much seed developed in double flowers on account of their imperfection regarding the sexual organs, but the tendency to develop the blooms is the same, and insects, the agents which affect fertilization, are profuse during their summer growth.

We have two objects in topping the plants. The first is to prevent the young plants from blooming, thereby spending their strength in an undesired direction, and second, to give the plants the desired form. These two objects are so closely linked together that if one is observed, the other will not be missed. The whole object is to grow good plants for winter blooming.

The process of topping the plants is a very simple operation, and should not be neglected, for any cutting away afterwards that may be necessary is useless. When the young plants have grown to about five inches high, they should be topped, by removing the heart of the plant, stopping its upward growth, and forcing it to branch. We are often compelled to top it lower, when a flower stem appears below, for a flower stem should be removed as near as can be determined at its base. When only a part is removed, the remaining part will break forth and form other buds, and thus the object of forcing the plant to branch is lost.

When the young shoots, two, three, or more, depending on the strength of the plant, have grown to about four inches, they should be topped again in the same manner. After this, when the plant is not checked in its growth by some cause or other, the branches will at least be doubled after the second topping, and from now on the growth will be more uneven; the sign of maturity, the tendency to bloom, becomes more apparent. While some shoots seem apparently inactive, others push on to bloom, and our attention is only called to these; to top them whenever they appear, to give the plant a nicely rounded form, and force it to save its strength for the ordeal of being transferred to the house, and its subsequent blooming. With a judicious topping during its field growth, we force the plant to grow and lay the foundation for its winter work.

Do not neglect your other work; keep the cultivator going; have the ground in shape for any protracted period of dry weather. On a careful summer culture depends the success of the plants during the winter. If stem rot appears, remove the plants at once and destroy them. I would recommend the same in the case of rust. If the plant cannot be spared, cut away the affected part, and prevent the spreading of the spores to the adjacent plants. With spot it only needs the pinching of the affected leaves. If these diseases are given attention in the start, a few hours' work in time will save days of labor afterwards.

FRED DORNER.

TRY AN ADV. in the Review if you have any surplus stock to sell to the trade.

PLANTS FOR SUMMER FLOWERS.

This was the subject for discussion at the meeting of the Chicago Florists' Club last Friday evening. When leading retail florists, such as Messrs. C. A. Samuelson and P. J. Hauswirth, were asked what varieties of summer-grown flowers were most salable, they responded very discouragingly, stating that nowadays there was very little call for any kind of flowers during the summer months aside from what could be used in an occasional funeral order. Mr. Hauswirth suggested as the most useful flowers white and lavender asters and gladioli of light shades, and Mr. Samuelson agreed with him that these would be most apt to bring money to the grower.

Speaking for the wholesalers, Mr. McKellar stated that asters, campanulas, cosmos and coreopsis sold fairly well in their season. In regard to campanulas Mr. G. Swenson stated that he had been quite successful with them and that they had been fairly profitable. He sows the seed in June and grows the plants outside all summer. They are then carried through the winter with simply a covering of slough grass. He grows the pink and white single sorts, which sell very well at 35 cents per bunch.

Mr. C. J. Stromback thought that tuberous begonias and gloxinias should be profitable summer pot plants for the florist to grow, and that they could be handled in a shaded frame better than in a greenhouse.

Mr. G. Stollery told of his attempts to grow sweet peas, which had met with failure on account of the plants being attacked by club root. With him they generally died out in June. Another grower suggested lime in the soil as a remedy. Mr. Stollery had also had considerable trouble with the McGowan carnation being affected with club root in summer. He explained that cabbage and celery had been grown for many years on the ground he now occupies, and he thought that the club root might be due to the germs in the soil from the old cabbage crops. Mr. Stollery is also hunting for a means of eradicating grasshoppers. He says that of late years they have done very great damage in his vicinity. Last summer they ate up 1,500 carnations in the field for him. A flock of chickens or turkeys was suggested as a remedy.

Mr. Oscar Kreitling, a retailer, suggested an increase in the number of light colored gladioli.

Mr. J. T. Anthony thought that white carnations were as good a summer crop as could be grown, and that Wm. Scott was also a good variety for the purpose. He made it a practice to grow quite a number of pot plants of carnations for spring sales and the left over ones were planted out for summer flowers. These plants were propagated in October and were kept in a pot not exceeding 3 inches in size till February or March. They were then shifted to a 4-inch pot and sold. He found that when some were left over

they paid very well in furnishing summer flowers. He stated that the late Mr. N. Singler often said that he made more money out of carnations grown outside for summer flowers than from those grown under glass in winter. The way he handled the plants they began blooming by June 1st; by August all the other growers would have outside flowers, but in the meantime he was the only one who could furnish them, and he therefore reaped a harvest.

Referring to sweet peas under glass, he had cut flowers as early as Jan. 22, and said it was very easy to get them in good bloom by Feb. 1. He had had 300 or 400 in pots, and these were the earliest. Some planted in a raised bench, where violets had been grown, string and were about two feet tall. They were planted in rather poor soil.

Referring to asters, he had found them very profitable when not affected with disease. At his city establishment he had lost four-fifths by disease, but when at Bowmanville he had had very good success on a piece of apparently very poor ground, while plants put out at the same time in a good, rich piece of ground were practically all lost through disease.

ZINNIAS.

[From advance sheets of the Florists' Manual, by William Scott.]

The annual zinnias are the only ones in which the florist is interested. With



Zinnias.

but which had been thrown out on account of club root, had bloomed by Feb. 1, while others planted in a solid border in November had not bloomed until May. His experience had taught him that the sweet pea should be planted in October and then left outside way into November after hard frosts had come and the wood was thoroughly ripened. If planted inside the plants make a soft growth and bloom late. The soil should be rather poor to produce the best results, and the temperature about 45 degrees. He had tried the sweet pea as an Easter plant and it had been very satisfactory. He had sold some good pot plants at Easter at $1.50 each. These plants were in 5 and 6-inch pots and the peas were trained with stakes and selection and culture, they are now among the handsomest of our annuals for the border, and in certain places a whole bed of them, in many shades, is very striking.

They are very easy to grow and need only the ordinary treatment given many other annuals, except that no frost must ever touch them while in a cold-frame. Sow from the middle to the end of March, and when an inch high transplant into flats two inches apart. By the middle of April a cold-frame is the right place for them. Plant in beds or borders after there is no danger of frost.

They are strong, rampant growers, and should have plenty of room; eighteen inches to two feet apart is close enough. They should have a well tilled piece of ground and will then stand our hot, and often dry, summers better than most of our summer flowering plants.

While the zinnia well deserves a place in the flower garden, it is the most unpopular of all flowers for even the cheapest sort of a bouquet. The poorest purchaser does not want them at any price. We have noticed this so often that we never cut them, however short of cheap flowers we may be. This proves that there is an unconscious taste for the artistic, even among the most lowly. The zinnia is so absolutely regular in form, stiff and formal, one flower being exactly like another, that the eye rebels against it. In a bunch of roses, carnations, or almost any other flower, no two are precisely alike, but the zinnias look as though they all came out of one mould. Then again, the stem is so rigid that while it is all right on the plant, it detracts from the flower when cut.

Grow zinnias to make your border gay, but don't offer the cut flowers to your customers. We raise quantities every year and sell the young plants from the flats at 25 cents per dozen.

THE USE OF FRAMES OVER HARDY PLANTS.

The recent heavy and continued demand for funeral designs here in our town caused a decided run on white flowers. Some firms were at times unable to procure enough flowers on

short notice for all their customers, and frequently had to decline late orders. It may not happen very often that such conditions occur, but are we not often apt to neglect available opportunities to prepare for such emergencies, especially in the spring, when so much work is on hand, inside or outside, and minor items are lost sight of? If we have a patch of evergreen candytuft planted out anywhere in the garden and would set a sash frame over it, banking up the sides if this be thought advisable, about March 1st, or, in fact, at any time before they are ready to bloom, we get the flowers out weeks ahead of the regular outdoor crop, and the snow-white flowers are a great help, not only when there is a general scarcity, but they are useful at all times. When fairly out, the sash may be removed entirely and then the bed will last in a perfect state for many weeks. The flowers need not be cut all at once, or as soon as well developed; they are just as good four weeks later if left on the plants.

An advantage, which must not be underestimated, is that this same bed, without replanting, is good for ten or fifteen years, perhaps longer if well taken care of. After flowering, the bed should be gone over, shearing the plants back severely and evenly, and to encourage vigorous growth for the coming year's flowering, a top dressing of rich compost will be of great benefit. The ordinary evergreen species, Iberis sempervirens, is the earliest, blooming outdoors and unprotected in May with us, but we can have it in flower early, or under adverse conditions, by the middle of April under this simple protecting treatment. The broader leaved and more compact growing I. correaefolia is considerably later, but its flowers are broader, larger and more flattened. It is very useful for working up in designs in its time, but requires some artificial heat to bring it out early.

Another plant which will submit admirably to the frame treatment and be in full bloom even sooner than the candytuft, is the white Arabis alpina. The flower heads are rather larger than those of the iberis, but more loosely arranged. Its lasting qualities are good, and we consider it very serviceable material for design work. It requires replanting every third or fourth year, but is a very free blooming plant, desirable for all purposes, and does invariably well in all localities and in all soils, poor or rich, sand or clay. Protecting frames, set over a bed of hardy plants in early spring, are recommended for bringing out the flowers a few weeks ahead of their regular time. The fringed June pinks, for instance, can be advanced without difficulty for Decoration Day, also some of the early aquilegias, campanulas and other things suitable for cutting, which, under ordinary circumstances, would not begin to bloom until the middle of June.

I am quite sure that the average florist, who, being situated in a medium sized town or city, dependent largely on what he can grow on his own place, can in this manner provide an ample supply of desirable flowers for Decoration Day, while without the use of the frames it would be difficult and perhaps very expensive for him to obtain sufficient stock to satisfy all his customers.

J. B. K.

PLACE OF A TOPEKA FLORIST.

The engraving shows the establishment of Mr. James Hayes, Topeka, Kansas, the leading florist in Topeka, a city of fine, broad streets, and it is one of the neatest, most substantial and best arranged places the writer ever saw.

The rose house is three-quarter span, 20x125 feet, running east and west. The north wall is 8 feet high and the south wall 4 feet high, built of stone, a most substantial piece of work. The palm house is between the shed and rose house and is 20x24 feet. The plant houses are 18x75 feet, running north and south (three of them). The entire ground occupied by these three houses was excavated to a depth of 4 feet, and a solid stone wall built all around the outside to 18 inches above ground, on which rest the gutters, and the center walls are also of stone; in fact, it would be impossible to have houses more substantially built. The boiler pit and potting shed are well built and very convenient. The stable is also on stone foundations, with good cellar underneath, and contains two good horses, two Jersey cows, room for one buggy, one phaeton, one delivery wagon, and one light cart for delivering in muddy weather. Everything is housed and kept in good repair. His son, a young man going to college, is a great pigeon fancier, and has some very fine and rare birds.

The residence is the second one built by Mr. Hayes, the first one having been burned to the ground some three years ago one very cold night, but very fortunately was insured for $2,000. The present one was built at a cost of over $3,000, and from the cellar to the attic is most substantially built, containing nine rooms and a bath room. The residence and greenhouses stand on four acres of ground, with not a dollar of incumbrance on the whole place. Mr. Hayes was until some ten years ago a private gardener, receiving his training in some of the best places in Great Britain, coming to this country some twenty years ago.

Everything done by Mr. Hayes in his compact little place is done well. No nook or corner is wasted; here and there are found a stephanotes, a rhyncospermum, a bougainvillea, a clerodendron, etc., and which are useful and most profitable for floral design work, of which he has an excellent trade both at home and from the surrounding country. He told me that he was going in for that grand gem, the eucharis, something every florist that does a retail business ought to grow.

The photograph shows Mr. Hayes' wife and daughter and two sons; his wife, an excellent lady, is of great help, making up all design work, and an excellent hand at selling, while his daughter attends to the store in the city, a charming, refined young lady, with a natural taste and love for flowers. The old man—for such I call him, as the black whiskers are getting streaked with gray—is as good as they make them; in fact, a truer and more honorable man never lived. Everything about the place does him credit and shows unmistakable evidence of refinement and prosperity S.

OUR LONDON LETTER.

[From a London Correspondent.]

A Pink Flowered Rambler Rose.

I think that the new rose named Psyche, shown by Messrs. Paul & Son lately at the meeting of the Royal Horticultural Society and certificated, will prove a pretty companion to the well-known Crimson Rambler, as it is the result of a cross between this variety and a rose introduced by the late Henry Bennett, named Golden Fairy. The plants were, of course, from under glass, but we noticed the same free clusters of from 15 to 25 flowers, so conspicuous in Crimson Rambler, only in the hybrid the color is tender rose, with exquisite little buds of a deeper shade. These should be welcome for boutonnieres. If Psyche proves as vigorous and free in the open garden as Crimson Rambler, we shall thank Messrs. Paul warmly for its introduction.

A Big Primrose.

One of the largest forms of the common primrose I have seen is named Evelyn Arkwright, and raised by Mr. J. H. Arkwright, Hampton Court, Leominster. From what I can see, it well retains its character, as the leafage is remarkably robust. The flowers are produced on a long stalk, clear yellow and fully two inches across.

Deutzia Parviflora.

This is a shrub I advise everyone to get who wishes to vary the flowers of the greenhouse early in the year. It seems to respond well to artificial warmth. The flowers are of purest white and borne in neat clusters. It has not long been introduced from China, being sent to the Imperial Botanic Garden at St. Petersburg, then to your Arnold Arboretum. It was first put into commerce in Europe through Prof. Sargent, who sent roots of it to Lemoine, of Nancy, France. It blooms very early, and is in every way a pretty dwarf shrub. The Royal Horticultural Society did well to certificate it. D. Lemoinei is a hybrid between D. gracilis and D. parviflora, and a very beautiful shrub, also with white flower clusters.

I notice that a new yellow arum is praised for the size of its spathes, but one wants to know a novelty of this kind well, so often size occurs through high culture.

THE OMAHA CONVENTION.

Preparations are advancing smoothly, and if the low rates of fare which are confidently expected should materialize, there is no reason why the Omaha meeting should not be the equal of any of its predecessors in interest and value. The local florists, although not primarily responsible for the selection of Omaha as the convention city, are fully aroused to the importance of the occasion, and will not be found lacking in those hospitable qualities that characterize the profession in all places and at all times. They look forward with keen anticipation to the approaching visit of their fellows from other sections of the country and are prepared to give a good account of themselves as generous hosts. A bowling club has been formed and a challenge to the expert bowlers of other cities is about to be issued. Eleven of the Omaha florists have become members of the national society since May 1.

The representatives of the executive committee of the S. A. F. found the ideal meeting place in the First Congregational church, which has been selected as the headquarters of the society. The audience room is a beautiful place, spacious and luxuriously furnished parlors and reception rooms are connected with it, and the basement, 48 by 72 feet, will accommodate a moderate sized exhibition nicely. A rear entrance on the same grade as the basement gives convenient access for exhibits, and there are plenty of suitable tables at the disposal of the society. The church is on the corner of Nineteenth and Davenport streets, in one of the most attractive residential sections of the city, and conveniently reached from all points.

Manufacturers and dealers in florists' requisites and equipments, in the large eastern cities, will make a great mistake if they do not take full advantage of this opportunity to get into communication with a new clientage. Many florists will be present on this occasion who have never heretofore visited a trade exhibition or had an opportunity to examine the latest devices and improvements in greenhouse appliances, and a valuable trade is bound to come to those who make the effort to open up this new and rapidly developing market for their goods. It is safe to assume that no previous convention has been favored with a more deeply interested and interesting local attendance than that of next August.

The matter of railroad rates is still under consideration, and there is good reason to expect that in a few days it will be possible to announce the most favorable terms ever granted to the S. A. F. for its convention. The railroad officials, as well as the managers of the great Trans-Mississippi Exposition understand that upon a liberal policy in the matter of transportation will depend much of the success of the undertaking, and they will, without doubt, see that everything is done that can possibly be done to insure a large attendance. S.



Greenhouses and Residence of Mr. James Hayes, Topeka, Kansas.

CHICAGO.

The Market.

The market is in a badly demoralized condition. The very warm weather has brought in a heavy supply, and in but few cases are sales at all satisfactory. All the dealers agree that the city trade is practically dead, and only a few note a satisfactory shipping trade. Prices are most anything. "What a man can get for his money depends upon his strength to carry it away and the size of the door," is the way one dealer puts it. His description of trade is "punky," which he explains means "rotten and slow."

While some very good stock is seen the great bulk seems to be soft and off in quality, undoubtedly due largely to the weather, but one dealer holds that the grower is also a factor. That where he knows a glut is on he is apt to be careless in the cutting of his stock, which is a mistake, for in a glut quality counts larger than ever, as the best stock finds first sale. The dealer naturally fills his shipping orders with the best stock he has, and often he will sort over 500 roses to pick out 50 good ones for a shipping order. As to grade, when stock is scarce probably 70 per cent. of a lot will be passed as first grade, while in case of a glut possibly not more than 20 per cent. will pass as first, the selection being more critical.

All look forward to Decoration Day to relieve present conditions. Prices will be moderate, and unless the present heated term shall have exhausted the present crop, the supply will be ample.

Club Meeting.

At the last meeting of the Florists' Club the subject for discussion was "Sweet Peas and Plants for Summer Flowers." A report will be found elsewhere in this issue. Chas. Schweigert and Eugene C. Louney were elected members of the club.

There was some discussion of plans for the summer. A suggestion of an excursion by boat to Milwaukee seemed to meet with favor, and Mr. C. C. Pollworth, of that city, who was present, said that the firm of Ellis & Pollworth would do all in their power to make the visit of the club a pleasant one should the members decide to make the trip. Final action as to the summer program will be taken at the next meeting, Friday, June 3.

J. Austin Shaw and J. E. Killen, of New York, were also visitors, and both favored the club with brief reviews of the business situation as they had found it on the road. Mr. Shaw evidently feared that some greenfly

might be present, and brought a box of cigars along as a precaution.

Various Items.

Ned Washburn is doing well, and it is expected that the injury to his hand will not prove serious.

Flint Kennicott has taken up his summer quarters at "The Grove."

The display of floral arrangements at the funeral of the late Police Inspector M. J. Schaack last Sunday was one of the most elaborate ever seen in this city. Four of the largest pieces were placed on a large float and occupied a prominent place in the funeral cortege. These pieces included a patrol wagon, five feet high, an inspector's star, five feet from tip to tip, and a huge floral clock.

Bassett & Washburn have issued a card giving sizes and prices of ribbon, and attached to same are samples of two qualities of ribbon they supply. They are also sending out some very pretty advertising matter in the shape of a blotter, in the center of which are the stars and stripes in colors and embossed, surrounded by a circle of gilt stars.

The father of John Muno died last Thursday, and was laid at rest Saturday.

Bowling.

There were some hot games at the alleys last Friday evening after the club meeting. The highest single score was 186, by Ed. Winterson, who also had the high average. Following are the scores and averages:

	1st	2nd	3rd	Av.
E. Winterson	167	186	146	166
R. Schenk	166	128	...	147
C. Held	136	156	118	137
G. Stollery	144	128	...	136
G. L. Grant	154	127	123	134
P. J. Hauswirth	103	137	137	128
C. W. McKellar	120	138	120	126
C. C. Pollworth	132	102	134	123
O. Kreitling	118	120	...	119
A. C. Kohlbrand	125	111	...	118
J. Austin Shaw	93	123	115	110
W. Kyle	96	113	...	104
C. Balluff	122	74	108	101
S. Snedeker	106	92	...	99
J. Degnan	108	80	88	92
C. A. Samuelson	103	69	83	85
E. Enders	65	100	83	83
T. F. Keenan	83	80	...	81
F. Stollery	52	...	...	...
W. Kreitling	141	...	...	...

Another series will be played at the alleys at 77 Randolph street tomorrow (Friday) evening.

Among the Growers.

Reinberg Bros. are adding eleven new houses to their already immense range of glass at Summerdale. Of these houses six are being built by Peter Reinberg, each 25x265, and five by Geo. Reinberg, each 25x300. George will also rebuild quite a number of his old houses this summer. In wandering around the eight acres of surface covered by glass in Peter Reinberg's range, the foreman, Geo. Collins, as guide, to prevent our being lost, we noted a climbing sport from Bridesmaid that promises to be useful. The flower is the typical Bridesmaid, but the habit indicates a vigorous climber. On this place there are growing on the benches about 80,000 rose plants. Fourteen large boilers supply the heat and there is a force of twenty-five men. The roses grown are the standard market varieties and they are not trying anything new. In carnations they are increasing their stock of Flora Hill and Jubilee and will try Argyle, Evelina and Painted Lady. They still retain McGowan and Alaska.

At Bowmanville Herman Bauske is keeping up his reputation as a first class rose grower. In one of his benches is as fine a lot of young American Beauties as the writer ever saw, and Herman admits he never had them better. He is adding five new houses each 21x250, and the young stock will have an opportunity to do its prettiest in these new houses.

Otto Ristow seems to be resting on his laurels and has made no recent additions. He speaks longingly of the old days when prices kept a better average and when he used to cut from 1,000 to 1,500 Beauties a day and all sold quick at fancy prices. He keeps the old range going but don't feel like branching out under present market conditions. A leaf-roller has been causing some damage in his rose houses.

Magnuson & Pearson have the old A. T. Jackson place and their stock looks well considering the condition of the houses, one of which was partly crushed in last winter by a heavy fall of snow. They are growing mushrooms quite extensively and have found them rather more profitable than roses. In one bench was seen a lot of asters planted out, from which they expect to cut flowers in late July or early August.

The newer A. T. Jackson place is now conducted by Johnson & Carlson and the place shows the careful personal attention of the members of the firm. They are thinking of dropping the Meteor, though, as they can not arrange to give it the extra heat it needs to do well in winter. A lot of callas planted out in beds are producing a great number of flowers.

It seemed curious to look into the greenhouses of A. V. Jackson and find them devoted mainly to roses. In the old days the two Jacksons were the largest growers of carnations for the Chicago market, and both developed fat bank accounts from their crops of these flowers.

J. A. Budlong has certainly come rapidly to the front as a rose grower. The stock looks well all through and his young stock is in extra fine condition. Evidently Mr. Budlong can grow roses as well as ride the bicycle and he is an expert at the latter, having taken several little trips from Chicago to Boston and back on his wheel. He contemplates the erection of a new Beauty house 400 feet long in the near future. His son, A. H. Budlong, is actively associated in the business.

OMAHA, NEB.

On May 12 we had the pleasure of meeting and entertaining the President and Secretary of the Society of American Florists who remained with us three days. They were here for the purpose of making the final arrangements for the next convention of the national society in this city in August. The question of a hall in which to hold the meetings was at once taken up and the one finally secured was the annex to one of our leading churches, a building of two stories. The upper part is to be used for the sessions and the lower for the trade exhibit.

As our visitors arrived upon the date for the regular monthly meeting of our local club, Mr. Donaghue, the Vice-president of the S. A. F., invited them to attend and they were introduced to the members of the club of whom there were quite a number present. Both the visitors favored us with very interesting and instructive addresses, giving us some very useful hints as to the way to make the coming meeting of the national society a success.

After the meeting the florists gave the visitors a banquet, which was well attended and much enjoyed by all. Enthusiastic speeches were made by President Gude and Secretary Stewart and several others. All were surprised and delighted when Mr. Stewart favored the party with that beautiful song Annie Laurie accompanied by the orchestra. In response to repeated calls he responded graciously with one of his favorites which completely captivated his hearers and which will not soon be forgotten.

On Friday we visited the florists of Council Bluffs, as well as those of this city, and the visitors were also taken to the grounds of the Trans-Mississippi Exposition. They spoke very highly of the magnificent grounds and buildings. Saturday being a rainy day the proposed trip to Plattsmouth, Neb., had to be given up and instead visits were made to the most important public buildings of this city. The time spent in bowling in the afternoon proved that our visitors were no strangers to that amusement. When they left on the evening train for their respective homes it was with the good wishes of all and the hope that we would meet them again in August with numerous others, all of whom will be cordially welcome to the convention. J. J. H.

ST. LOUIS.

Stock—Prices.

The cut flower trade in this city has been very light the past week, and only for a few funeral orders, would have been called very dull. Prices on all kinds of stock are tending downward. Flowers have been abundant during the week and of extremely poor quality, owing to the warm and rainy weather.

Roses of all kinds are cheap; the very best can be bought at $3; others at from 50 cents to $1. A great many are badly mildewed and cannot be sold at any price.

Carnations are lower in price just now than at any time during the season, and are coming in every morning

in large quantities; most of them of poor quality. The reds are selling at 50 cents per 100; other colors at 75 cents and $1, and only the extra fancy bringing $1.50.

Paeonies are selling very low; price $2 and $3. Sweet peas are getting plentiful now. The price the latter part of the past week was 50 and 75 cents. Cape Jasmine are selling fairly well at $1 per 100. Mr. Brown, of Alvin, Tex., who is here in the interest of the Grand de Flora Jasmine and is making his headquarters at Kuehn's, reports orders for Decoration day coming in very satisfactorily.

We have plenty of ferns in the market now of the common variety (dagger), and the retailer is happy once more. Smilax is also selling fairly well, and plenty of it to be had at $15 per 100 strings.

Decoration Day Prospects.

A good Decoration day trade is looked for, and many inquiries for prices have been received at this date. Prices will not be advanced any if stock keeps coming in as it has been.

Notes.

Mr. and Mrs. J. M. Jordan will soon leave for Omaha to spend the summer with their son, Harry. Mr. Jordan has not enjoyed the best of health the past season and expects that the climate in that part of the country will do him a world of good. Speaking of the convention, Mr. Jordan says he expects to see a great many of his friends in August, and that every florist who can possibly spare the time should not fail to attend.

Mr. J. P. Gadd, formerly with C. Young & Sons Co., is now with Gus Eggling, the South Grand avenue florist. Mr. Eggling reports that next month he has a wedding to furnish that will equal the famous Busch affair in size. Gus also reports business good, and that he will build two new houses this summer.

The St. Louis Cut Flower Co. reports through Mr. Frank Ellis that business has been good with them all through the season.

We read in the last issue of the Review that the convention at Omaha will be held in the First Presbyterian Church. This should be very gratifying to a great many of the florists who only see the inside of a church when a decoration has to be made; but Sunday is generally a busy day with us.

President Halstedt, of the Florist Club, would like to hear from every florist who expects to attend the convention by the next meeting of the club, June 9. Those who are not members of the club and wish to go can address A. S. Halstedt, Belleville, Ill.

The question that will come up at the next club meeting will be, "Shall we have a picnic this year in the city, or shall we wait and have it at Omaha during the convention of the S. A. F.?"

John Young, of C. Young & Sons Co., reports a slick swindling trick played on them last week. The fellow called at their store and wanted the loan of four large palms for a customer of theirs, to be returned the next morning. He also had an express wagon, as the lady was in a hurry for them. The plants never came back, and the customer knew nothing about them. John gives this information for the benefit of his fellow craftsmen, who may receive a call from this same fellow.

Fred Ostertag has returned to the city and is now in the employ of Ostertag Bros.

The bowlers rolled five games of cocked hat Monday night. Kuehn was high man with 189; Beneke, second, with 179; Fillmore, third, with 152. Kuehn was 51 in a single game; Beneke, 50, and Fillmore, 45. Next Monday night will end the cocked hat series and then we get down to business at the regular old game of ten pins.

J. J. B.

NEW YORK.

The Wholesale Trade.

Business and news are at low ebb this week. If it rains (and we have had more than our share the last few months), trade is indifferent, and if the weather is fine, more stock comes in than there is possibly any call for, and so that is how it goes. There are no settled values; prices are as mythical and as hard to locate as the Spanish fleet.

Thousands of roses are coming into the market and prices are as low as $5 per 1,000, and hard to sell at that. Other stock it is almost impossible to quote. Prices are as variable as the moon's changes, and depend a good deal on the other fellow.

Decoration day, while it may have the effect of improving prices somewhat in other cities, in New York there will be very little material change, as the shipping trade will not be on a very extensive scale.

Retail Trade.

From some sources this appears to be better at this time than former years. While some decry and say war is at the bottom of the present dullness, others say it has been the means of keeping people in the city, leaving the country as they usually do at this time for Europe. At the same time, while there are a good many weddings taking place, it seems evident that social life is laying low, as they do not care to incur the suspicion of the masses that they are unpatriotic by too many social foibles and society events.

Various Items.

Many expressions of regret are heard and expressed on all sides at the death of Mr. Thomas Cartledge, of Philadelphia. He was well known here and had many friends, who will miss his friendly grip of the hand and welcome speech. "Requiescat in pace."

Mr. Arthur T. Boddington, of the firm of Clucas & Boddington Co., and Mr. Alfred Dimmock, of St. Albans, England, and representing Sander & Co., have both returned from their far western trip, and were surprised to learn that this country was at war with Spain. However, they came home weighted down with orders and patriotism, and say they are willing to enlist—their sympathies—at any time to fight the dons. Mr. Boddington's father, though an Englishman, was in the navy during the rebellion, and being the son of his father, he is willing to shoulder a musket and go and do likewise. Well done, Arthur; you are a chip off the old block.

One of the events of the week is the sale by auction of a collection of plants from Louis Menand, of Albany, N. Y., by Cleary & Co., and some sensational prices are anticipated.

Seed Trade.

Stumpp & Walter Co. report an excellent counter trade, and a big call for their Russian lily of the valley. They expect to do quite a trade in plants Decoration day, and are laying in quite a stock of this class of goods.

BOSTON.

Review of the Market.

The past week continued very dull in all branches of the business, and prices are still lower on everything with perhaps the exception of red roses, which are not over plenty, and sell well. Beauties bring about the same price as last week, while Brunners and Jacks range from $1.00 to $3.00 per dozen. Brides and Brides maids are sticky, and one can buy an excellent rose for 6 cents, but the average are sold at prices ranging from $1.00 to $4.00 per hundred.

Carnations are coming in very freely, whites being in better demand than colors; while all grades are moving slow, at from $1.00 to $2.00 per 100, high grades have reduced somewhat in quality owing to warmer weather, and $3.00 per 100 is an outside price for most all varieties.

Violets are done for the season, but there is plenty of valley, which is selling fairly well at $3.00 per 100 for good quality. Lilies are still in sufficient quantity for the demand and bid fair to be in good supply for Decoration Day; $1.00 per dozen is the ruling price. Sweet Peas have dropped to 50 cents per 100. Out door Tulips sell from $2.00 to $3.00 per 100.

Outlook for Decoration Day.

Decoration Day is now anxiously looked forward to, by both growers and dealers, with the prospect for everybody doing a rushing business. The present war will create a strong patriotic feeling, which will serve as an impetus to trade, which will be very acceptable to the craft. The season here is about ten days behind, so there will probably be a larger proportion of out-of-door flowers than usual. Lilac and late

tulips will be in in great quantity, helped out by other shrubs and bulb stocks and spiraeas, while carnations white flowers from inside, such as stock and spiraeas, while carnations and roses will in all probability be in sufficient supply. Orders are being booked by dealers to about the same extent as last year.

Plant Trade.

The plant peddlers are now very much in evidence and seem to be doing a good business. The wholesale price of geraniums has been reduced from $7.00 to $6.00 per 100, which is also the prevailing price at the auction rooms; choice stock will bring from $8.00 to $12.00. All kinds of plants are still selling rather slow, but with the outlook very bright for Decoration week.

The Weekly Exhibition.

The exhibition this week was devoted to primulas and hardy perennials but with small exhibits of both. Mr. Oakes Ames, of No. Easton, was the only one to receive a prize, obtaining second on primulas. Among other exhibitors A. W. Blake showed a collection of Azalea indica, receiving a gratuity. Rea Bros. were the only exhibitors of strictly herbaceous plants, also receiving a gratuity. C. H. Souther showed cut blooms of gloxinias while Mrs. Richards, Mrs. E. M. Gill and James Comley made their usual exhibits of seasonable native and cultivated flowers.

J. S. Bailey exhibited a nice collection of orchids, including an elegantly grown specimen of Miltonia vexillaria which was in a 4-inch pot. It had four spikes of bloom containing sixteen florets; awarded a first-class certificate. A couple of young cocoanut palms, showing mode of growth from the seed with a section of the bloom, which came from Jamaica, was exhibited by Miss Gertrude Kent, and attracted considerable attention. W. W. Tailby & Son exhibited a vase of their new carnation Harvard, a promising crimson variety.

News Items.

Dave Carmichael of Wellesley leaves on June 3d for a two months trip to the old country.

The Horticultural Society and others will petition the "City Fathers" to erect a building on the Public Gardens, to be devoted entirely to horticulture.

W. W. Edgar of Waverly is building a new house 20x110.

W. W. Tailby had some of his new carnations Harvard on exhibition at the market on Saturday.

Mr. W. J. Stewart is back from his Omaha trip. P

PHILADELPHIA.

Death of Thos. Cartledge.

It was with feelings of deep sadness that the florists of this city learned of the death of Thomas Cartledge, which occurred on Tuesday evening, May 17. Mr. Cartledge had endeared himself to all who knew him, and many there are who feel that they have lost their best friend. The Florists' Club called a special meeting for the following day, at which resolutions were passed, as follows:

Whereas, The Florists' Club of Philadelphia having learned with deep regret of the death of Thomas Cartledge, its late treasurer and honored member; therefore, be it

Resolved, That the Florists' Club of Philadelphia hereby expresses its deep sense of the irreparable loss it has sustained in common with a host of sincere friends; they were proud to have known him, to have associated with him, and to have called him friend; a man just, honorable and true in every position to which he was called. His memory will long be kept green in the hearts of the many to whom he was always a wise, sympathetic and affectionate counsellor. The Florists' Club, to whom he was long a faithful and efficient treasurer, and of which he was one of the founders, is unable to fully express the sense of great loss sustained by his death.

Resolved, That these resolutions be spread on the minutes of the club and a copy be sent to the family.

ROBERT CRAIG,
CHAS. D. BALL,
EDWIN LONSDALE,
Committee.

On the next day, Thursday, the Pennsylvania Horticultural Society took similar action.

The funeral took place on Saturday and was attended by a thoroughly representative body of men—florists, commission men, growers, seedsmen, supply men, Masons, Odd Fellows, Grand Army men, neighbors, friends and relatives—all were there to offer their last tribute of respect to the good man who had finished his life work. The story of his life is a bright example by which each one of us may learn how to lead nobler and better lives.

The Market.

The week was a very active one to the bedding plant men. Prices excellent. Should the present week prove as busy, there is good reason to believe that nearly all stock in bloom will be cleaned up by Decoration day.

The cut flower market has fallen off somewhat. Prices are a little lower and there is more stock wasted than last week.

I would like to add that in quoting prices heretofore, I have endeavored to give the ayerage prices for good grades of stock and not the extreme prices, which are only realized occasionally.

Penn. Hort. Society.

The Pennsylvania Horticultural Society's meeting on Tuesday evening brought out some good calceolarias and two rare orchids, both Laelia purpurata, but different varieties. The exhibitors, W. A. Manda, South Orange, N. J., and H. T. Clinkaberry, Trenton, N. J., each received a silver medal. Mr. Manda also received a certificate of merit for the extraordinarily large number of blooms borne by his variety of Laelia purpurata. John Thatcher carried off the calceolaria prize; John Hobson and C. W. Brown showing good stock. John McCleary took the cauliflower prizes.

Guaranteed Lilies.

The advocates of guaranteed lilies, or the getting-what-you-pay-for men, are encouraged by one of the importers having offered to guarantee one-half the cost of fifteen thousand Lilium longiflorums. This stock has been sold. The Bermuda grower made the offer because he was growing these bulbs, his entire stock, on land not before used for this purpose, and felt confident no disease would appear. This is a step in the right direction, and it is earnestly hoped that our importers will induce more of the Bermuda growers to follow this example.

Notes.

Pennock Bros.' store was closed the latter part of last week out of respect to Mr. Cartledge. Many and beautiful were the flowers sent to the funeral of Mr. Cartledge. Mr. A. L. Pennock speaks in the most glowing terms of the abilities of his late partner.

We all sincerely mourn the loss of a friend. J. W. Y.

BUFFALO.

Premature Planting.

An early, rainy, and rather humid, spring has made people slightly premature in planting their garden and in spite of the unpleasantness which confronts us with another nation, there is every probability of all good stuff being wanted, especially able-bodied men and geraniums.

There has been rather a slow time in town since May the first, in spite of the very best quality of flowers being here, roses cannot be beat and carnations are the best in the country.

Visitors.

We were favored with a few visitors last week, among them Mr. Alex Galt Robinson of most genteel demeanor, who advocates the admirable use of the Rose Leaf Extract of Tobacco. Then Mr. Hulsebosch of Englewood, N. J., appeared, who advocates his own goods and Mr. Anderson who sells for Hiram Jones, of New Jersey. I have taken a solemn oath with the Editor of this journal that I shall never attempt another joke on the drummer, so I bid him good-bye. He has his uses perhaps, but he will never be noticed by me any more, and I extend him a cordial invitation never to call on me. When in Philadelphia a few weeks ago, I was told that the drummer joke was my stock in trade; most likely, but I have plenty of more better in reserve.

A Great Industry.

You are always finding out something and strange to say, within a mile of your correspondent's little farm

exists a great industry in our line. It is situated on the main road from Chicago to New York, which goes through Buffalo, via Rochester, Syracuse, Utica, Albany, and then to the great city. Well, a mile west of Corfu, lives Nelson Brown, a man who never knew or pretended to know anything about gardening, but in a few years he has cultivated pansies to such an extent that this year's shipment of pansy plants reached 100,000, or to give you a good idea he contracted with the American Express Co., for 20 tons of express weight; and they were all shipped in little baskets, 1 dozen pansies in each basket. Still more remarkable is the fact that the city of Rochester nearly took them all. Now don't all you seedsmen flood the man with letters, with the valuable information that you have the only pansy seed. He is going to take The Review, and will soon find out the best people. When a man spends fifty dollars a year for pansy seed he ought to have pansies.

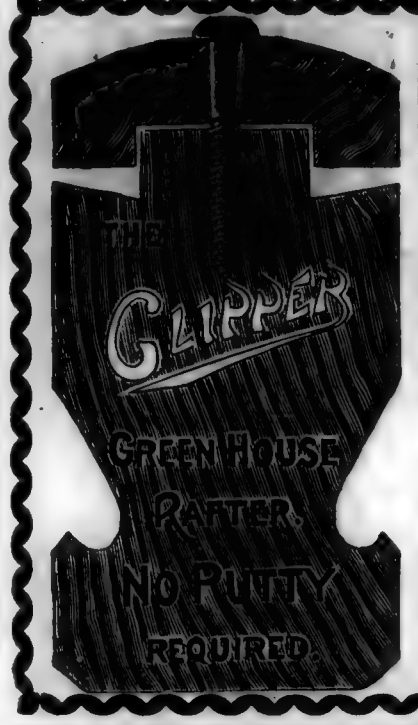
A Marksman.

You know, Mr. Editor, that I never approve of too much of your columns being given to sport. The Review is a trade journal devoted to horticulture, not bowling or shooting, but pardon a few words about a man who really can shoot—not a George Anderson, who is liable to miss two birds out of twenty-five, but one who never misses. A few weeks ago the rather extensive houses and property of Mr. Thrall, of Jamestown, N. Y., were sold at sheriff's sale. The sheriff, as you know, always gives a good title. The purchaser was Mr. Bartlett. When he introduced himself he said: "I know nothing of the business; I have been in the gun business all my life." I little thought to whom I was talking, although I had seen him shoot. He is going to join our club and is going right into the business.

One of his feats with the Burgess repeating gun is to break six glass balls thrown in the air at once, and he breaks them all before they reach the ground. Another is to lay the gun on the ground, throw up two balls with his own hand, turn a handspring, pick up his gun and break both before they reach terra firma. I pity Darby Road, Chestnut Hill or Holmesburg. There are several men who could do the last trick, notably Peter Crowe, Burt Eddy or Edwin Lonsdale, excepting the handspring and breaking the balls. He is a clean cut, fine young man of exemplary habits, and in appearance much resembles C. D. Ball. It is Bartlett, the expert and trick shooter. W. S.

THE HARRISII DISEASE.

The experiments at Lincoln Park, Chicago, showing that Kraft's Plant Tonic will kill the mites that cause the Harrisii disease, have excited a great deal of interest. Indications are that the tonic will be largely used by growers of Harrisii lilies.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

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W. 35TH & IRON STS., CHICAGO.

Write for our free illustrated catalogues.

WHENEVER you need any trade supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

SEED STORES and FLOWER STORES

can profitably handle our **Excelsior Brand,** an Odorless, Soluble Plant Food.

Write for prices and terms to the trade and testimonial leaflet.

Pure Bone Flour,

FOR FLORISTS' USE.

AMMONIA..... 5 per cent.
NITROGEN ..... 4.15 "
BONE PHOSPHATE.55 "

Pure Dried Blood,

AMMONIA.....16 per cent.
NITROGEN.....13.22 "

Write for Prices.

We also manufacture an ODORLESS LAWN FOOD

THE WALKER FERTILIZER CO.,

CLIFTON SPRINGS, N. Y.

To Clean Out.

3,000 Alternanthera, Aurea Nana, per 100... $1.00
10,000 Asters, Perfection, white, pink, blue and scarlet, per 100, 60c; per 1,000..... 4.00
Also 2,000 Snowball Asters, extra strong.
1,000 Fuchsias, 3-inch, mixed, per 100 ..... 2.50

THE MORRIS FLORAL CO., Morris, Ill.

CANNAS

Alphonse Bouvier, Queen Charlotte, Mme. Crozy, Paul Marquant, Florence Vaughan, Fuerst Bismark, fine plants from pots, $5.00 per 100.
BOUVARDIAS, single red, white and pink, from 2-inch pots, $2.00 per 100.
CHRYSANTHEMUMS -- Pennsylvania and other fine varieties. Write for prices.
C. EISELE, 11th & Jefferson Sts., Philadelphia, Pa.

GOOD PLANTS CHEAP!

Cannas, 10 sorts, 3-inch, 2c each.
Geraniums, 2½-inch, fine good assortment, $1.75 per 100.
Alternantheras, red and yellow, 2-inch plants, $1.00 per 100. Rooted Cuttings 50c per 100.
CASH WITH ORDER.

G. W. WEATHERBY, Chillicothe, Mo.

LOUISVILLE, KY.

The "Louisville Florists' Supply and Exchange" will open June 1 at 620 Fourth avenue. It will be a commission house, with some unique features. All the consignments will be kept absolutely separate and the consignee notified of any unsold stock. The record will be kept so that sales can be accurately traced clear through. It is also announced that no sales will be made to fakirs. An establishment of this sort has long been needed here.

R. C.

ST. JOHNS, N. B.

H. S. Cruikshank devotes his whole plant to cutflowers, of which he seldom has a surplus. The bedding plant trade has, as in many other places, drifted into the hands of smaller growers who are content with less or no profit. For a city of its size our branch is poorly patronized, I should not wonder if Sol Smith Russell found material in such a place for his play "Peaceful Valley" so content are the natives with their surroundings.

BRATTLEBORO, VT.—C. E. Allen reports a good seed season which opened up well and the recent cool spell allowed him to catch up with orders. He issues a plant catalogue and carries a general line of stock to supply an old established clientage.

KALAMAZOO, MICH.—Joseph Dunkley, the well known florist, and the pioneer celery grower of this place, is seriously ill and his life is despaired of.

WANT ADVERTISEMENTS.

SITUATION WANTED—As foreman or grower by competent man. Best references. Married, no children. Address foreman, care of Florists' Review.

SITUATION WANTED—As private gardener, by thoroughly competent man with the highest references from last employer and others. Removal of employer only reason for change. Address K. X., care Florists' Review.

SITUATION WANTED—As head gardener in private place or public institution. English, 52, widower (one daughter, 25). Thorough horticulturist, fruits, flowers, vegetables, landscape and ornamental work; 4½ years in Golden Gate Park, one year head gardener in present place. Best of references. Address, stating wages, etc., G. M. Stratton, Dungeness, Cumberland Island, Fernandina, Fla.

SITUATION WANTED—As propagator of general greenhouse stock, by a florist that is a good worker and strictly temperate. Good references. Address F. A., care Florists' Review.

SITUATION WANTED—By all around florist on private or commercial place, married, good worker and total abstainer. Best of reference. Address A. R. W., Box 849, Stafford Springs, Conn.

WANTED—A first class grower who knows enough to run a place on business principles, if desired can take half interest in good paying retail business, state wages with or without board. Only capable florist needs to reply. Situation in the South. Address A. G., care Florists' Review.

FOR SALE—First class retail stand, about 5,000 feet of glass, new. Has never produced less than $1,300 per year, net. Will require $1,000 cash; balance, time at 6 per cent. Reason of selling, failing health. Address Illinois, care Florists' Review.

SITUATION WANTED—Good all around gardener and florist; married, no family. Private place preferred. State wages. H. H. Hunt, Evanston, Ill.

SITUATION WANTED—A young man, 20 years old, desires position in cut flower store or greenhouses; has six years experience; good maker-up; best of reference, also security. Address H. C. H., care of Florists' Review.

SITUATION WANTED—By an A1 grower of general greenhouse stock. Am 30 years old and single. If in need of a good man and are willing to pay fair wages, address M. K., care Florists' Review.

SITUATION WANTED—By an experienced gardener in landscape, nursery or pot flower cultivation; 25 years' experience. Only those willing to pay fair wages need reply. Address H. C., Florists' Review.

SITUATION WANTED—As foreman, good grower, single, age 30. Address N. T., Florists' Review.

FOR SALE—Four greenhouses, nearly new. Splendid retail stand in residence district on paved street leading to cemetery. Easy terms. Must retire on account of health. A. Claus, 501 N. 4th St., Springfield, Ill.

WANTED—By the 15th of June, a first-class all 'round florist to take charge of plant of 8,000 feet of glass. None but steady reliable man need apply. References. Wages $50 per month. Address X, care Florists' Review.

WANTED—A first-class grower who knows enough to run a place on business principles, to buy one-half interest and take full charge; must thoroughly understand the business. If dissatisfied with his purchase any time within one year he can have his money back. For particulars address A. H., care Florists' Review.

SITUATION WANTED—By expert grower of plants and cut flowers. Competent in every department. Seeks a situation where he may have a chance to make his services worth more than in his present place. Can surely advance his employer's interests if given suitable opportunity. Address S. D., care Florists' Review, Chicago.

Grand de Flora (Double Cape) JASMINE.

Select Buds, $10.00 per 1,000.

CAN SUPPLY ANY QUANTITY.

Headquarters and distributing point from the largest Jasmine growers in the world.

ORDER QUICK FOR DECORATION DAY.

Cash or satisfactory references with order.

G. A. KUEHN,

1122 Pine Street, ST. LOUIS, MO.

Kraft's Plant Tonic... 99%

KILLS Scale, Mealy Bug and other Insect Pests, as well as imparting beauty and vigor to the plant

Will Kill the Mite that causes the Harrisii Disease

A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

Kraft Plant Tonic Co. — Rockford, Ill.

FINE PALMS.

ARECA LUTESCENS,

1 plant, 2-inch pot, per 100	$6.00
3 plants, 5-in. pot, 18 to 20 in. high, per 100,	40.00
3 plants, 10-in. pot, 48 to 50 in. high, each,	4.00

COCOS WEDDELIANA,

1 plant, 4-in. pot, 15 to 18 in. high, each,	.50
1 plant, 5-in. pot, 24 in. high..... "	.75
1 plant, 5-in. pot, 30 in. high..... "	1.00

KENTIA BELMOREANA,

1 plant, 2½-in. pot, 3 leaves, 10 to 12 in. high, per 100	20.00
1 plant, 3-in. pot, 4 to 5 leaves, 15 to 18 in. high, per 100	25.00
1 plant, 5-in. pot, 4 to 6 leaves, 20 to 24 in. high, each	1.00

All measurements from top of plant.

JOSEPH HEACOCK,

Wyncote, - - PHILADELPHIA, PA.

MENTION FLORISTS' REVIEW WHEN WRITING.

FOR SALE OR RENT.

In New York City, Wholesale Flower Store on prominent street. Will sell fixtures and one year's lease with privilege of renewal. For full particulars write to Wholesaler, care of Florists' Review, 56 Pierce Building, New York City.

To Rent!

Eight greenhouses, all well stocked. 20,000 carnations planted out. Best place ever offered. All private trade.

MAX KRUSCHKA,

Lawrence, L. I., N. Y.

Please mention FLORISTS' REVIEW.

REINBERG BROS.

51 Wabash Ave., CHICAGO.

WHOLESALE GROWERS OF **Cut Flowers**

600,000 FEET OF GLASS. We can fill all orders on short notice with all leading varieties of Roses and Carnations. WE ARE HEADQUARTERS FOR FINE AMERICAN BEAUTIES. Give us a trial and convince yourself.

Plants and Cuttings sent by Express at plant rates (30 per cent. less than merchandise rates.)

ROSE PLANTS.

Out of 2½-inch Pots.	Per 100	Per 1000
AMERICAN BEAUTIES,	$5.00	$45.00
METEOR	2.50	22.50
BRIDE	2.50	22.50
TESTOUT	2.50	22.50
BELLE SIEBRECHT	2.50	22.50
PERLE	2.50	22.50
PRES. CARNOT	2.50	22.50
KAISERIN	2.50	22.50
BRIDESMAID	2.50	20.00
LA FRANCE	2.50	20.00

CARNATIONS FROM SAND.

	Per 100	Per 1000
Flora Hill	$3.00	$25.00
Goldfinch	1.50	12.50
Bridesmaid	1.50	12.50
Wm. Scott	1.00	7.50
McGowan	1.00	7.50
Emma Wocher	1.00	7.50

No more Rooted Rose Cuttings left.

SMILAX, $2.00 per 100; $15.00 per 1000

MacMICHAEL'S Sulphur Blower.

Far better, quicker and more effective than the bellows.

Warmly commended by all who have tried it.



Patent Applied for. **Price $5.00,** packed and delivered to Express Co Satisfaction Guaranteed.

Morton Grove, April 22, 1898.

H. MacMichael, Esq., 956 N. Leavitt St., Chicago.

Dear Sir:—We take pleasure in recommending Sulphur Blower purchased from you. It is the best we ever saw and we are most sure it can not be improved. In fact it is a money-saver in every respect.

Respectfully, POEHLMANN BROS.

Address the Inventor,

H. MacMICHAEL,

956 N. Leavitt St., CHICAGO.

LONG'S Floral Blotters

THE FINEST NOVELTY FOR ADVERTISING ANY BUSINESS.

Effective, and true to nature.

Samples for 20 cents in stamps.

DAN'L B. LONG, Publisher, BUFFALO.

FOR SALE! GOOD STOCK.

VINCA VARIEGATA, from 4-inch pots, $10.00 per 100.

GERANIUMS, 4-inch pots, 60c per doz.; $5.00 per 100. Scarlet King, Dr. Kirtland, Emile de Jarardin, S. A. Nutt, Double White, Queen of the West, General Grant, E. G. Hill, Jas. Vick, Bijou, Mrs. Parker, Silvercloud, Crystal Palace Gem, etc.

CANNAS, Strong, from 4-inch pots, in 12 best varieties, 50c, per doz. **Cash with order, please**

I. HUSBANDS,
Bellevue, Huron Co., Ohio.

FORCING BULBS

Special Low Prices

on Tuberoses, Gladiolus, Cannas, etc., etc., to close out Spring Bulbs.

PURCHASING DEPARTMENT for florists saves you money on Glass, Pipe, Tools, etc. Service free to florists.
. . . . . **WRITE FOR PARTICULARS.**

It will pay every florist to get our prices on Romans, Harrisii, Longiflorums, Valleys, Hyacinths, Tulips, Azaleas, etc., etc., before closing contracts. Our reputation for high grade stock is well established. Our facilities for handling orders promptly are **THE BEST.** Our new quarters, **161** to **163** E. Kinzie St., six floors, 40x100 ft., give us ample room and every convenience for quick dispatch of your commands.

W. W. BARNARD & CO.
161 to 163 E. Kinzie St., CHICAGO, ILL.

SOW NOW **PRIMULA SINENSIS FIMBRIATA,** (or Chinese Primrose.)

ENGLISH "GIANT EXHIBITION PRIZE" STRAIN.

A unique strain adapted for every purpose, but especially valuable for Florists. This seed has been saved by the most experienced grower in England. Every possible care has been used in the selection and harvesting; only flowers of good form and substance, produced by plants of robust constitution and faultless habit, have been used for this purpose.

ROSEA (Pink), **Chiswick Red.** **COCCINEA SUPERBA** (Crimson).
ALBA MAGNIFICA (White). **COERULEA** (beautiful Blue).
VILLAGE MAID (White, striped with Crimson). **MIXED** (all Colors.)

Price per packet, **about 500 Seeds,** of any of above varieties, **$1.00.** Half packets **50c** each.

STUMPP & WALTER CO., SEED AND BULB GROWERS, **50 Barclay Street, - NEW YORK.**

Do You Want Your Money's Worth?

If so, don't delay it but send me your list **at once** of all **Bulbs and Plants** for **forcing** and **decoration,** stating quantity and sizes. You will find my prices as low as others for **FIRST-CLASS GOODS.**

F. W. O. SCHMITZ, Jersey City, N. J.

JOBBER in **Chinese Sacred** Lilies, **Japan,** all kinds of **Dutch, French** and **German** Bulbs and Roots, **Azalea, Rhododendron, Palms** and **Nursery Stock** for forcing and outdoor.

CANNAS Nicely started. P. Marquant, L. E. Bally, 30c. per doz.; $2.00 per 100.

BEGONIA Thurstonii, B. Argenteaguttata, etc., 2-in., $2; 2½-in., $2.50 per 100.

PANSY PLANTS Bud and bloom, $1 per 100; $8 per 1000.

A. J. BALDWIN, Newark, O.

VEGETABLE PLANTS

Tomato, Cabbage, Lettuce, Celery and **Sweet Potato,** 15c per 100; $1 per 1000.
Pepper and **Egg Plants,** 25c per 100; $2 per 1000.
Cauliflower Snowball, 35c per 100; $2.50 per 1000
All plants by mail, 10c per 100 extra. Price list for large quantities. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Mention the Florists' Review when writing to Advertisers.

CINCINNATI.

Dull is the word, and dull it is. We are having summer weather, summer business and summer prices; some are making expenses and some are not. There is plenty of choice stock to be had, with but little demand.

The May music festival begins tonight (Tuesday), which is quite an event in society, but the general opinion is that the demand for flowers will not amount to much.

The prospects for Decoration day are good, but should it equal our expectations, it cannot make up for the many dull days we have experienced. Last Saturday was Dewey day, and Cincinnatians celebrated the event in grand style. Quite a few flowers were used for decorative purposes, but the only ones that were strictly "in it" were the flag and bunting men.

Thursday, July 21, is the day set aside for our next annual outing. The majority of the boys are in favor of going to Coney Island, so of course Coney Island it will be, providing we can make satisfactory arrangements with the management.

Mr. B. P. Critchell, who has been confined to his house for several days with rheumatism, is now able to attend to his business.

Recent callers: George Headsworth, representing J. C. Vaughan, Chicago, and Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia.

B.

JADOO.

In the advertisement of the American Jadoo Co., on page 988 of this issue, appears a strong recommendation of Jadoo from Messrs. A. Blanc & Co., Philadelphia, who add: "We would not recommend Jadoo if we did not think it of benefit to the grower."

SALEM, MASS. — McGee, Geary & Co. are well prepared to handle the usual heavy business which falls to their share on the 30th.

MITCHELL, S. D.—Easter trade was more than double that of last year and prospects for spring trade are excellent. E. C. Newbury has just completed a new house. 20x60.

J. A. BUDLONG

Wholesale Grower of and Dealer in **Cut Flowers,**

WE ARE HERE FOR BUSINESS.
GIVE US A TRIAL ORDER.

37-39 Randolph St., ...CHICAGO.

CHAS. RAYNER,

ANCHORAGE, KY.,

Specialist for **American Beauties, Meteors, Maids and Brides.** Cut Flowers.

Shipping facilities and stock unexcelled.

Lowest Market Prices. Write for quotations on large orders.

Mention Florists' Review when writing advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, CHICAGO, ILL.

Long Distance Telephone EXPRESS 466.

We quote as follows for the week of May 23, 1898:

P. and D. AT COST.	Price per 100
Am. Beauties, medium	$ 5.00 to $ 8.00
" fancy, fair length	8.00 to 12.00
" " long stem	15.00 to 25.00
Meteors, extra select	4.00 to 6.00
Brides, Maids, extra select	4.00 to 6.00
Perles, extra select	3.00 to 5.00
Roses, our selection	3.00
Carnations, extra select	2.00 to 3.00
" good average stock	1.50 to 2.00
" White	2.00 to 3.00
Harrisii	7.00 to 8.00
Callas	10.00 to 12.50
Valley	2.00 to 4.00
Cape Jasmine	1.00 to 2.00
Narcissus	1.00 to 1.50

P. and D. AT COST.	Price per 100
Narcissus, double	$ 2.00
Smilax	15.00
Adiantum	.75 to $1.00
Asparagus, per string, 40c to 50c.	
Bougainvilleas, per spray, 20c.	
Galax	$1 50 per 1000 .20
Common Ferns	2.50 per 1000 .30
Common Ferns 500 at 1000 rate	
Marguerites, White	.40 to .60
" Yellow	.60 to .75
Iris	2.00 to 4.00
Tulips	2.00 to 5.00
Pæonies, extra quality	4.00 to 5.00
" common	3.00

Above prices subject to change without notice. All Flowers in season at lowest market rates. **Florists' Supplies** and **Wire Work** a specialty. On **Wire Goods** we can discount **our own or any other list.** Write for particulars. Store open week days until 6:30 P. M. Sundays and Holidays until noon only.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

W. E. LYNCH,

...Wholesale Florist...

The **right** kind of stock, packed in the **right** way, delivered at the **right** time, and at the **right** prices

19-21 Randolph St., CHICAGO.

A. L. RANDALL

Telephone 1496

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.

Full Line of Wire Designs and Florists' Supplies

Successor to Winter & Glover

S. B. WINTER

Write for Illustrated Catalogue.

21 Randolph St. CHICAGO.

HIGH GRADE **Cut Flowers**

Properly Packed and Promptly Forwarded.

HOLTON & HUNKEL CO.

Wholesale Florists & Florists' Supplies.

Wire Designs Our own make.

Phone 874. P. O. Box 103.

457 Milwaukee St., Milwaukee, Wis.

ROGERS PARK FLORAL CO.

Wholesale Growers of

CUT FLOWERS.

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, - CHICAGO.

A. G. Prince & Company

Telephone .....Main 3208

Agents for..... HINSDALE ROSE CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES

88 and 90 Wabash Ave., - Chicago

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

..C. W. WORS..

Wholesale Florist

2740 OLIVE STREET
ST. LOUIS, MO.....

FINE ROSES—Shipped Carefully to all Parts of the Country.

ST. LOUIS CUT FLOWER CO.

Wholesale Florists

E. H. MICHEL

1620 Olive St., St. Louis, Mo.

Decoration Flowers

...IN ABUNDANCE...

We will have a Large Stock of All Best Varieties

Roses, Carnations, Lilies, Lilac, Tulips, Narcissus, Valley, Pansies, Marguerites, Mignonette, Sweet Peas, Paeonias, Gladioli, Asparagus, Smilax, Adiantum, Common Ferns, etc., etc. GIVE US YOUR ORDER.

FLORISTS HAVING A SURPLUS OF STOCK CONSIGN SAME TO US.

VAUGHAN, McKELLAR & WINTERSON

45, 47, 49 Wabash Avenue, CHICAGO.

HERR'S

Experiences ....WITH Carnations

READY NOW.
Send for them—they are sent free.

HERR'S SMILAX
$5.00 per 1000; 75 cents per 100.
Samples, Ten Cents.

ALBERT M. HERR
LANCASTER, PA.

FIRST QUALITY

HARDY CUT FERNS...

NEW CROP arriving daily, $1.50 per 1,000. Discount to wholesale jobbers. Prince's Pine, 6c per lb. Headquarters for Galax Leaves. Laurel festooning, 4c to 8c per yard. Laurel and Prince's Pine Wreaths for Decoration Day, made to order. Fine Green Moss in bbls., $1.00; in sacks, 75c. Our goods are always the best to be obtained for the money. Prompt attention to all orders. Send in your orders now for Ferns for Decoration Day and you will be sure to have them.

CROWL FERN CO., 27 Beacon Street, BOSTON, MASS.

IS YOUR STOCK Complete?

IF NOT, get your Carnations **now** while you have the opportunity. Fine stock of Flora Hill and other Novelties of 1898. Also best older varieties. Send for prices.

GEO. HANCOCK & SON,
Grand Haven, Mich.

THE COTTAGE GARDENS,

QUEENS, L. I., N. Y.

...WHOLESALE FLORISTS...

SPECIALTIES:
Carnations, Geraniums, Cannas, Chrysanthemums, Kentias, Nephrolepis Cordata Compacta, Bostoniensis, Etc.

Chrysanthemum Frank Hardy

Clearance Offer—Only 1000 Left
$2 per 12; $10 per 100. Not less than 50 at 100 rate. Cash with order.

A. HERRINGTON, FLORHAM FARMS, MADISON, N. J.

CARNATIONS

WE STILL HAVE some varieties from pots and flats, ready to plant in the field.

FIELD GROWN PLANTS, of all popular varieties, ready in the fall.

F. Dorner & Sons Co., La Fayette, Ind.

INSURE AGAINST FIRE IN THE

Florists' Mutual Fire..... Insurance Association

Address W. J. VESEY, Sec'y,
Fort Wayne, Ind.

Always Mention the....
Florists' Review
When Writing Advertisers.

HERE WE ARE FOR FOUR WEEKS!
FIRST COME, FIRST SERVED!

Fuchsias in assorted varieties. Double, 2-in., $3.00 per 100; Single, 2-in., $2.50 per 100.			
Hibiscus in assortment. Single and Double, 2½-in., $3.00 per 100; 3-in., $5.00 per 100.			
Jessimines, Grandiflora...	2½-in.,	$3.00 per 100	
" Grand Duke...	4-in.,	8.00	"
" Maid of Orleans,	3-in.,	5.00	"
" " "	4-in.,	8.00	"
" Arabian.....	4-in.,	8.00	"
Rhynchospermum Jessminoides, 2-in., $3.00 per 100; in bloom, 4-in.,		$8.00	"
Smilax, good strong plants, 2-in....		2.00	"
2000 Moon Vines, strong plants, 2-in.....		3.50	"

NANZ & NEUNER, - - - Louisville, Ky.

ALL YOU WANT

For $2.00 per hundred.

	Per 100.
Smilax, extra strong, 2¼-in. ready for 3-in.	$2.00
Coleus, light and dark, 2-in	2.00
Alternanthera, yellow and red, 2-in	2.00
Mad Salleroi, 2½-in	2.00

GESLER & ROBBINS, GALESBURG, ILL.

BANGOR, ME.

Adam Sekenger is the synonym for a successful member of the craft even as was our sire of remote memory. This Garden of Eden is most conveniently laid out with two entrances so that when a crush of visitors occur, as happened at time of my visit, there is no confusion and all can enjoy the frequent displays put forth. It is an excellent plan and has proved a great incentive to the business. The stock is well worth inspection.

Ground has been staked out for an additional range of houses and had I been a drummer for a glass house quoting low I would have booked a nice order, but as this commodity has advanced in price Mr. Sekenger will "Bide a wee" ere building. W. M.

BAR HARBOR, ME. — With the boom of cannon in the distance the craft are very pessimistic with regard to the season's business now approaching, basing their fears upon the facts that many owners of yachts will be absent. These constitute a large percentage of the cottagers and usually entertain lavishly. Let us hope things will turn out profitably to all.

HUNT'S REVIEW OF THE CHICAGO MARKET.

The past week will never be looked back upon with pleasure, either by the grower, the commission man or the retailer. As we heard one retailer put it, "July business with May stock." That may be correct from a retailer's standpoint, who buys only what is needed from day to day, but the commission men will say that it has been July business, with fully double the usual May supply.

Roses have come out in immense numbers. A few—possibly 10 per cent—bring a fair price, the balance go on offers. The buds are growing smaller, and some growers have a bad dose of mildew on their hands, and in competition with clean foliaged stock the mildewed article cannot be moved at any price.

In carnations good whites are selling well. Pink are a glut, reds are in general poor and not in much demand. Sweet peas move slowly, at constantly falling prices. Harrisii, though not numerous, are little sought for.

Out door stock is selling very poorly, not for years has it been so hard to work off flowers of this class.

We trust the present week will in a measure make up for the low average of the last three or four.

NOW in course of preparation, The Florists' Manual, by William Scott. It will cover the whole field of commercial floriculture, the articles arranged alphabetically, so that reference may be quick and easy. It will be a whole library in itself. Price only $5.00. Send in your order now to the Florists' Publishing Co., 530-535 Caxton building, Chicago.

CRABB & HUNTER,
Violet and Carnation Specialists,
GRAND RAPIDS, MICH.

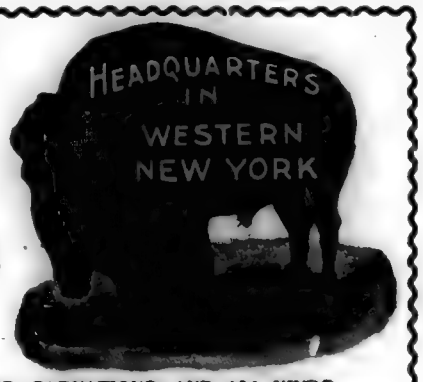
NOW is the time to buy Rooted Violet Runners. Marie Louise, Farquhar and Lady Hume Campbell, $1.00 per 100; $7.00 per 1000. In pots later. Write for prices.

EVERYONE WANTS THE BEST!
CAN YOU BLAME THEM?
ANY OLD THING WON'T DO.
MANY DEALERS DON'T KNOW IT—
LIVE ONES DO—
INCLUDING OURSELVES.
NO DISAPPOINTMENT.
GOOD STOCK ALWAYS
W. S. HEFFRON, Mgr.
Phone Main 4337
51 Wabash Av. CHICAGO, ILL.

SAMUEL S. PENNOCK
Wholesale Florist
1612-14-16 Ludlow St.
PHILADELPHIA, PA.

CLEARY & CO.
Plant Auctioneers,
60 Vesey St., - New York City.
DEWEY? Yes, we do
SELL EVERY
TUESDAY and FRIDAY
SEND FOR CATALOGUE.
Auctioneer, J. P. CLEARY.

GIVE US A TRIAL WE CAN PLEASE YOU.



ROSES, CARNATIONS, AND ALL KINDS OF SEASONABLE FLOWERS IN STOCK
WM. F. KASTING Wholesale Commission Florist...
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WALLINGFORD, CONN.

Geo. H. Rowden does not claim to know it all, simply because he has had success with lilies this year especially, but the method he regularly adopts is worth relating. The bulbs are potted upon receipt into a 4½-inch pot with plenty of drainage (and, by the way, a little sand around the bulb as practiced by the old-time growers will be quite in order). The pots are given one good soaking, then placed in frames covered with shutters to keep off any additional moisture; when sprouted sash is substituted for shutters. The pots are kept in this stage until room can be found for them in the house, when the bulbs are shifted into the pots in which they are intended to bloom. The advantage of new soil benefits the plant, which no doubt is induced to grow better by this action. This is a desideratum, however, in most cases. W. M.

BROOKLINE, MASS.

F. E. Palmer cordially invites all skeptics to his houses, where can be seen roses, both grafted and on own roots, in the same house. Under such conditions only can comparison be made. In this case it is decidedly in favor of grafted stock. I never saw finer PapaGontiers; small wonder they sell so well; such exquisite color. In commenting upon the season, Mr. Palmer said it was the best he has yet seen.

Jas. Quinn speaks in a similar strain and is being rushed with spring business. Weddings and funerals have kept him busy for some time past.

Miss Vass notes as large demand as usual for Nephrolepis Bostoniensis. This lady was very fortunate with her lilies at Easter, proving that Japan bulbs can easily be brought into bloom with the necessary attention. W. M.

NEWBURYPORT, MASS.

E. W. Pearson carries his roses over the second season. He finds this method profitable, particularly with Woottons, which are exceptionally fine. Just now roses are plentiful, so the capital plan is adopted in giving a bloom to every purchaser of plants, a paying advertisement. Considerable addition will be given to space for palms, and a carnation house 125x16 is in course of erection. Four acres of fine soil is intended as a nursery to supply local demand.

Mr. Pearson's best man has left for the front, leaving behind as a legacy a fine lot of spring stock. W. M.

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40,000 FIRST QUALITY FORCING ROSES.

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last six years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

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We have an extra selected stock of the following Rose Plants. Will guarantee them to be as fine as any grown.

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WANTED 500 Maids, 600 Brides, 200 Perles, 200 Beauties, 200 Meteor, 200 Belle Siebrecht. 2½-inch pots.

HILLSDALE FLORAL PARK,
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NORTHAMPTON, MASS.

The proverb, "All things come to him who waits," most aptly applies to H. W. Field, who has just been rewarded by a bargain in a three acre lot of land in the city limits and past which a new trolley line runs. Upon the corner lot, fac ng two stree s, three houses are being erected, two full span, 110x19 and 100x25 feet, respectively, and one three-quarter span, 110x19 and 100x25 feet, reso arranged as to provide for other houses in prospective. Sufficient top soil for a three years' planting is quite an item nowadays, when good soil is difficult to obtain. Mr. Field had a splendid Easter, converting his pretty store into a show house wherein the choice stock was arranged to tempting advantage by Miss Field.

I looked in on Mr. E. J. Canning, who, although a graduate of Kew, England, Philadelphia claims as one of her own, as it was in that hospitable city Mr. Canning first saw the light of this great and glorious country, and to what an enviable position has he attained since taking charge of the Botanic Garden attached to the Smiths Colleges here, which includes a class of one hundred and twenty-five sweet girl students of botany. Is it to be wondered at that the plants seem to bloom more perfectly under their influence as they flit from flower to flower like so many butterflies casting a delightful halo about them? Yet even in this garden of Eden the pesky insects will invade, but Mr. Canning holds them in check by the use of kerosene applied by spraying as fine as a Scotch mist; if applied any coarser, would injure the foliage. Palms, ferns of strong growth, and such foliage plants as crotons and the like, apparently benefit by the application.

Encouraged with the interest taken by the students in the classes, the faculty proposes making considerable additions to the glass section, and enlarge the class, which is filled to overflowing. Also to introduce zoology, so that with some other of the sciences Mr. Canning will be flooded with ologies.

The herbaceous section is most interesting and instructive. Here we have a striking illustration of American foresight, for most assuredly the majority, if not all, of these clever girls will at no very distant date be interested in homes of their own or of others, which must be surrounded with mementos of the lovely times they are now experiencing, and here is where the smart florist will get in his work and keep up-to-date, as illustrated by the aforementioned Mr. Field, who intends setting aside a big piece of ground as an herbaceous border. He says there are so many things really beautiful which can be handled to advantage during the summer season at a small outlay.

W. M.

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Extra Strong Pot-Grown Plants.

Best Standard Sorts at $8.00 per 100, as follows: Mme. Crozy, Alphonse Bouvier, Chas. Henderson, Florence Vaughan, F. R. Pierson, Egandale, J. D. Cabos, Queen Charlotte, Pres. Carnot, Paul Marquant, J. C. Vaughan, Admiral Avellan, Austria, etc.
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Tel. Call 403 18th St.

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GERANIUMS, Double Grant, 2½-in. pots,	2.00
SALVIAS, Clara Bedman, 2½-in. pots,	2.00
COLEUS, 5 varieties, fine, 2½ "	2.00
BEGONIA VERNON, fine, 2½ "	2.00
MOUNTAIN OF SNOW GERANIUM, 2½-in. pots	3.00

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NICHOLAS AMOS, CRESTLINE, O.

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Florists' Review....

BALTIMORE.

Trade Review.

Trade the past week was a decided improvement over the unsettled condition of the week previous. Most all of the retailers reported a change for the better, and seemed more hopeful, now that the good weather has returned. In the wholesale market there is little or no change, except in quality, which has greatly improved. The supply and demand are about equal.

Hail Storm.

On the 16th inst. Baltimore and vicinity were visited by a severe hailstorm, which, although of short duration, did much damage to florists who were so unfortunate as to be located within its path. The storm was most severe in the southwestern section, and it was only in that district that heavy loss was sustained.

Samuel Feast & Sons suffered severely, having quite a large percent of their glass broken. Mr. Jno. Cook, Old Frederick Road, lost about 500 square feet. Mr. A. Stoll was also damaged to the extent of $50, while many others in that radius met with smaller losses.

Notes.

A very emblematic reminder of the times was seen this week in the windows of Mr. W. J. Halliday. Framed in a wreath of laurel, and draped in the folds of Old Glory, was an excellent portrait of Admiral Dewey. The extreme simplicity of the design added doubly to its patriotic effectiveness.

Saturday the 21st was flower day in Baltimore. The Massachusetts Sixth Regiment passed through our city, en route south, and was given a floral ovation. The city officials presented them with a handsome basket of flowers, tied with large bows of the national colors, the streamers of which bore in gold letters the following inscriptions: "Massachusetts and Maryland, May 21, '98." "Baltimore Welcomes the Sixth Regiment. Flowers Instead of Bullets." "God Bless You and Bring You Safely Home."

All along the line of march many thousand flowers were thrown at the soldier visitors, which act presented a striking contrast to the historic reception of bullets given this same regiment in 1861.

Mr. Samuel S. Pennock paid us a flying visit last week. C. F. F.

THE American Journal of Health prints in its issue of May 10 an editorial very warmly commending the "Excelsior Brand" of plant food manufactured by the Walker Fertilizer Co., Clifton Springs, N. Y. It prints this report as the result of extensive experiments with the plant food.

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(COPY) A. BLANC & CO.,
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(Signed) A. BLANC & CO.

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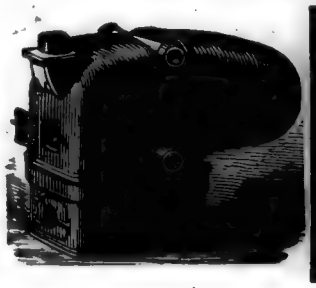
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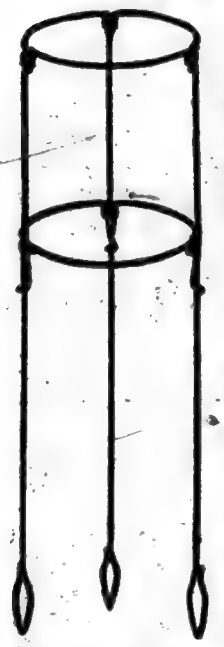
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WE HAVE received from Prof. Wm. Trelease, director of the Missouri Botanical Garden, St. Louis, Mo., a copy of the ninth annual report of the garden. It is, as usual, handsomely illustrated, and full of very interesting botanical matter covering much original research. It is a valuable contribution to botanical literature and we take pleasure in complimenting Prof. Trelease on the excellent work being done at the Missouri Botanical Garden under his direction.

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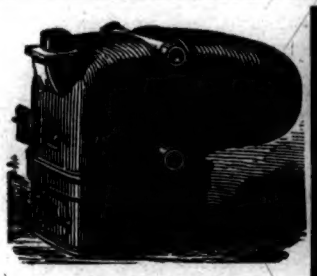
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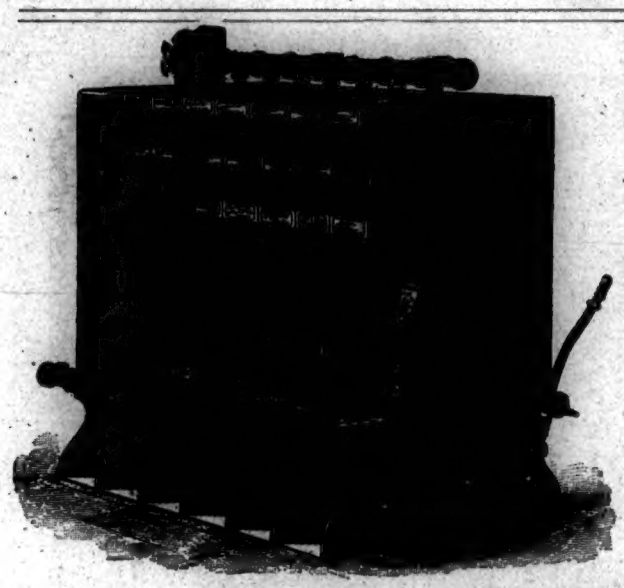
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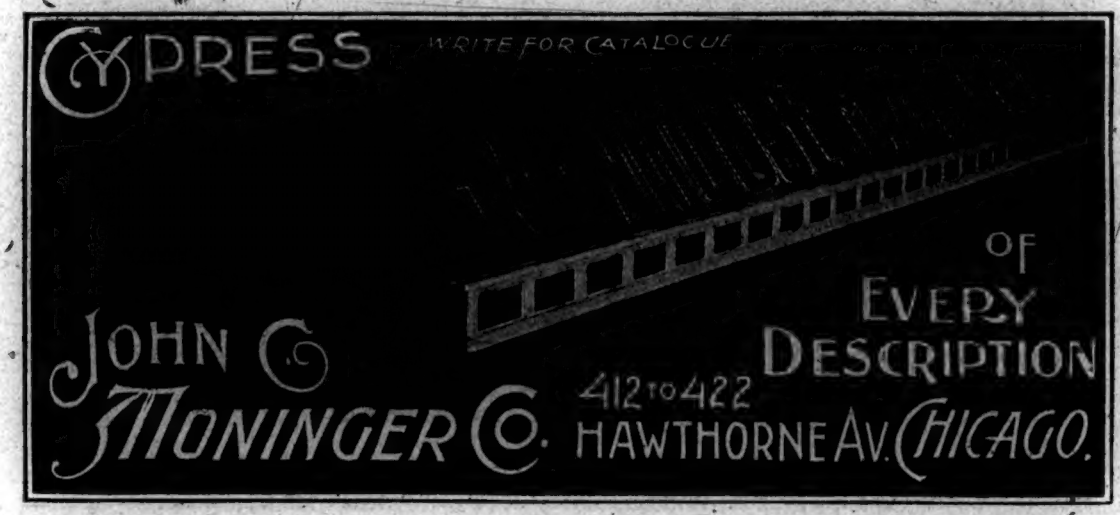
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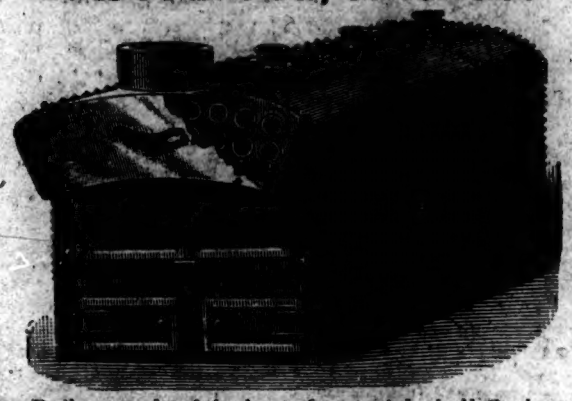
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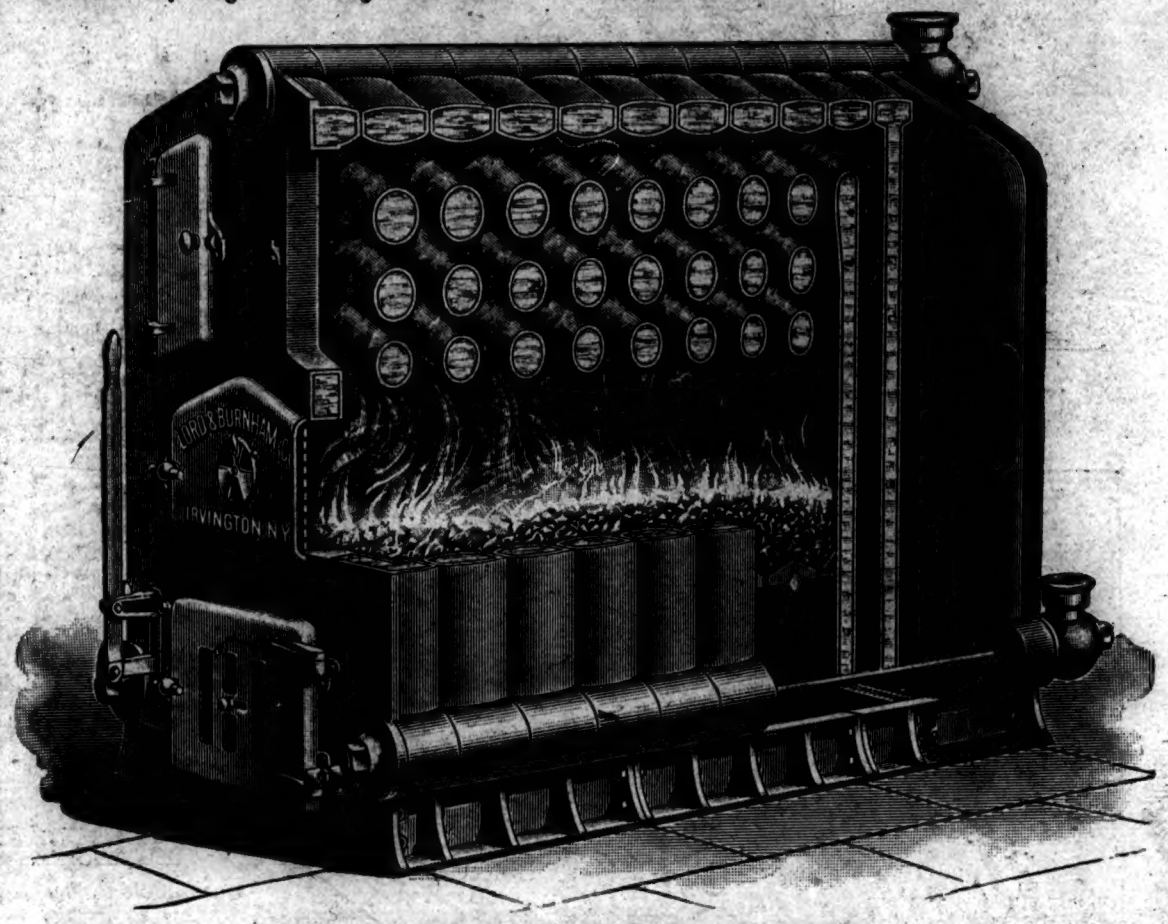
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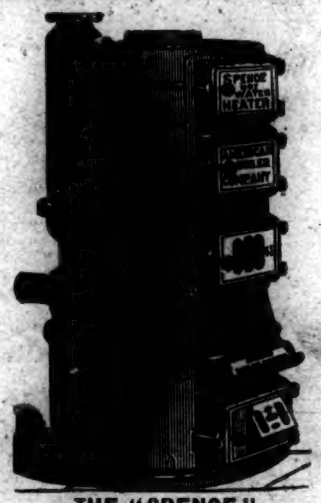
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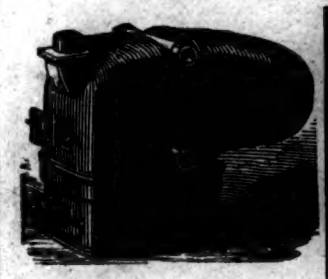


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